NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02555-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	N		CL	0.48	0.62	0.64	32
	02555-00002	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.55	0.57	32
	02556-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.29	0.55	33
	02556-00002	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.26	0.49	33
	02557-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.36	0.20	0.31	33
	02557-00002	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.36	0.19	0.28	33
	02558-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.22	0.51	33
	02558-00002	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.20	0.45	33
	02559-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.49	0.60	32
	02559-00002	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.44	0.54	32
	02560-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.29	0.53	32
	02560-00002	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.26	0.48	32
	02561-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	32
	02561-00002	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	32
	02562-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.36	0.53	0.62	33
	02562-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.36	0.47	0.55	33
	02563-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.31	0.51	0.60	32

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Air Leakage:

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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02563-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.46	0.54	32
	02564-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.28	0.53	33
	02564-00002	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.25	0.48	33
	02565-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.27	0.52	32
	02565-00002	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.24	0.46	32
	02566-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.22	0.43	33
	02566-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.20	0.38	33
	02567-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.22	0.42	32
	02567-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.20	0.37	32
	02568-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.32	0.29	0.55	33
	02568-00002	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.26	0.49	33
	02569-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.32	0.20	0.31	33
	02569-00002	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.18	0.28	33
	02570-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.21	0.51	33
	02570-00002	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.19	0.45	33
	02571-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.28	0.50	0.60	32
	02571-00002	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.45	0.54	32

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Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

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Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02572-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.29	0.53	32
	02572-00002	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.26	0.48	32
	02573-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.49	32
	02573-00002	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.44	32
	02574-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.33	0.52	0.62	33
	02574-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.33	0.47	0.55	33
	02575-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.51	0.60	32
	02575-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.46	0.54	32
	02576-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.27	0.53	33
	02576-00002	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.25	0.48	33
	02577-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.27	0.52	32
	02577-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.46	32
	02578-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.32	0.22	0.43	33
	02578-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.20	0.38	33
	02579-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.28	0.21	0.42	32
	02579-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.37	32
	02580-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	N		CL	0.48	0.61	0.64	32

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	02580-00002	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.54	0.57	32
	02581-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.29	0.54	33
	02581-00002	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.26	0.48	33
	02582-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.20	0.31	33
	02582-00002	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.19	0.28	33
	02583-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.50	33
	02583-00002	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.45	33
	02584-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.48	0.60	33
	02584-00002	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.43	0.53	33
	02585-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.28	0.53	33
	02585-00002	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.26	0.47	33
	02586-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	33
	02586-00002	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	33
	02587-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.36	0.52	0.62	33
	02587-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.36	0.47	0.55	33
	02588-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.31	0.50	0.60	32
	02588-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.45	0.54	32

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	02589-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.28	0.53	33
	02589-00002	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.25	0.47	33
	02590-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.27	0.52	33
	02590-00002	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.24	0.46	33
	02591-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.22	0.43	33
	02591-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.20	0.38	33
	02592-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.22	0.42	33
	02592-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.20	0.37	33
	02593-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.29	0.54	33
	02593-00002	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.26	0.48	33
	02594-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.32	0.20	0.31	33
	02594-00002	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.18	0.28	33
	02595-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.22	0.50	33
	02595-00002	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.20	0.45	33
	02596-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.28	0.49	0.60	33
	02596-00002	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.44	0.53	33
	02597-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.28	0.53	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02597-00002	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.26	0.47	33
	02598-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.49	33
	02598-00002	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.44	33
	02599-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.33	0.52	0.62	33
	02599-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.33	0.46	0.55	33
	02600-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.28	0.50	0.60	33
	02600-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.45	0.54	33
	02601-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.27	0.53	33
	02601-00002	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.25	0.47	33
	02602-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.27	0.52	33
	02602-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.46	33
	02603-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.22	0.43	33
	02603-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.20	0.38	33
	02604-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.42	33
	02604-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.37	33
	02605-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	N		CL	0.47	0.62	0.64	33
	02605-00002	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.47	0.55	0.57	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02606-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.29	0.55	34
	02606-00002	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.49	34
	02607-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	34
	02607-00002	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.28	34
	02608-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.51	34
	02608-00002	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	34
	02609-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.49	0.60	34
	02609-00002	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.44	0.54	34
	02610-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.29	0.53	34
	02610-00002	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.48	34
	02611-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	34
	02611-00002	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	34
	02612-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	34
	02612-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.35	0.47	0.55	34
	02613-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.30	0.51	0.60	33
	02613-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.30	0.46	0.54	33
	02614-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.28	0.53	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02614-00002	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.25	0.48	34
	02615-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.27	0.52	34
	02615-00002	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	34
	02616-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.22	0.43	34
	02616-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.38	34
	02617-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.22	0.42	34
	02617-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.20	0.37	34
	02618-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.29	0.55	34
	02618-00002	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.49	34
	02619-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	34
	02619-00002	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.28	34
	02620-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.21	0.51	34
	02620-00002	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	34
	02621-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	34
	02621-00002	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.54	34
	02622-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.29	0.53	34
	02622-00002	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.48	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02623-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	34
	02623-00002	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	34
	02624-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.32	0.52	0.62	34
	02624-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.32	0.47	0.55	34
	02625-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.51	0.60	34
	02625-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.46	0.54	34
	02626-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	34
	02626-00002	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.48	34
	02627-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.27	0.52	34
	02627-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	34
	02628-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	34
	02628-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	34
	02629-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	34
	02629-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	34
	02630-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	N		CL	0.47	0.60	0.64	34
	02630-00002	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.57	34
	02631-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.29	0.54	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02631-00002	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.48	34
	02632-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	34
	02632-00002	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.19	0.28	34
	02633-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	34
	02633-00002	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	34
	02634-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.48	0.60	34
	02634-00002	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.43	0.53	34
	02635-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.28	0.53	34
	02635-00002	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.47	34
	02636-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	34
	02636-00002	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	34
	02637-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	34
	02637-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.35	0.46	0.55	34
	02638-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.30	0.50	0.60	34
	02638-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.30	0.45	0.54	34
	02639-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	34
	02639-00002	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02640-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.27	0.52	34
	02640-00002	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	34
	02641-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	34
	02641-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	34
	02642-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.22	0.42	34
	02642-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.20	0.37	34
	02643-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	35
	02643-00002	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	35
	02644-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	35
	02644-00002	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.28	35
	02645-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.21	0.50	35
	02645-00002	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	35
	02646-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.49	0.60	34
	02646-00002	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.53	34
	02647-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.28	0.53	34
	02647-00002	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.47	34
	02648-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02648-00002	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	34
	02649-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	35
	02649-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.46	0.55	35
	02650-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	34
	02650-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.54	34
	02651-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	35
	02651-00002	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.47	35
	02652-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.27	0.52	34
	02652-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	34
	02653-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	35
	02653-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	35
	02654-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	34
	02654-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	34
	02655-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	N		CL	0.48	0.62	0.64	33
	02655-00002	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.55	0.57	33
	02656-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.55	34
	02656-00002	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.49	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02657-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.35	0.20	0.31	34
	02657-00002	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.18	0.28	34
	02658-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.51	34
	02658-00002	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.45	34
	02659-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.49	0.60	33
	02659-00002	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.44	0.54	33
	02660-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.29	0.53	33
	02660-00002	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.48	33
	02661-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	33
	02661-00002	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	33
	02662-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	34
	02662-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.47	0.55	34
	02663-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.30	0.51	0.60	33
	02663-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.46	0.54	33
	02664-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.28	0.53	34
	02664-00002	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.25	0.48	34
	02665-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.27	0.52	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02665-00002	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	33
	02666-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.43	34
	02666-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.38	34
	02667-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.22	0.42	33
	02667-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.20	0.37	33
	02668-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.31	0.29	0.55	34
	02668-00002	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.26	0.49	34
	02669-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	34
	02669-00002	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.28	34
	02670-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.21	0.51	34
	02670-00002	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	34
	02671-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	33
	02671-00002	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.54	33
	02672-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.29	0.53	33
	02672-00002	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.26	0.48	33
	02673-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	34
	02673-00002	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02674-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.32	0.52	0.62	34
	02674-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.47	0.55	34
	02675-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.51	0.60	33
	02675-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.46	0.54	33
	02676-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	34
	02676-00002	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.48	34
	02677-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.27	0.52	33
	02677-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.46	33
	02678-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.31	0.22	0.43	34
	02678-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.20	0.38	34
	02679-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.42	33
	02679-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.37	33
	02680-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	N		CL	0.48	0.60	0.64	33
	02680-00002	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.54	0.57	33
	02681-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.54	34
	02681-00002	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.48	34
	02682-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02682-00002	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.19	0.28	34
	02683-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.50	34
	02683-00002	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.45	34
	02684-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.48	0.60	33
	02684-00002	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.43	0.53	33
	02685-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.28	0.53	33
	02685-00002	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.47	33
	02686-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	33
	02686-00002	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	33
	02687-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	34
	02687-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.46	0.55	34
	02688-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.30	0.50	0.60	33
	02688-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.45	0.54	33
	02689-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.28	0.53	34
	02689-00002	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.25	0.47	34
	02690-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.27	0.52	33
	02690-00002	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02691-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.43	34
	02691-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.38	34
	02692-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.22	0.42	33
	02692-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.20	0.37	33
	02693-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	34
	02693-00002	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	34
	02694-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	34
	02694-00002	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.28	34
	02695-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.21	0.50	34
	02695-00002	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	34
	02696-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.49	0.60	34
	02696-00002	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.53	34
	02697-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.28	0.53	34
	02697-00002	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.47	34
	02698-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	34
	02698-00002	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	34
	02699-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.32	0.52	0.62	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02699-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.46	0.55	34
	02700-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.50	0.60	34
	02700-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.45	0.54	34
	02701-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	34
	02701-00002	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.47	34
	02702-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.27	0.52	34
	02702-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.46	34
	02703-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	34
	02703-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	34
	02704-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.42	34
	02704-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.37	34
	02705-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.47	0.62	0.64	34
	02705-00002	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.47	0.55	0.57	34
	02706-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.34	0.29	0.55	34
	02706-00002	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.49	34
	02707-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	34
	02707-00002	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.28	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02708-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.51	35
	02708-00002	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	35
	02709-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.49	0.60	34
	02709-00002	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.44	0.54	34
	02710-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.29	0.53	34
	02710-00002	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.48	34
	02711-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	34
	02711-00002	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	34
	02712-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	34
	02712-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.35	0.47	0.55	34
	02713-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.30	0.51	0.60	34
	02713-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.30	0.46	0.54	34
	02714-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	35
	02714-00002	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.48	35
	02715-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.27	0.52	34
	02715-00002	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	34
	02716-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.34	0.22	0.43	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02716-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.38	34
	02717-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.22	0.42	34
	02717-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.20	0.37	34
	02718-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.29	0.55	35
	02718-00002	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.49	35
	02719-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	35
	02719-00002	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.28	35
	02720-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.21	0.51	35
	02720-00002	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	35
	02721-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	34
	02721-00002	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.54	34
	02722-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.29	0.53	34
	02722-00002	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.48	34
	02723-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	34
	02723-00002	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	34
	02724-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.32	0.52	0.62	35
	02724-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.32	0.47	0.55	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02725-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.51	0.60	34
	02725-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.46	0.54	34
	02726-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	35
	02726-00002	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.48	35
	02727-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.27	0.52	34
	02727-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	34
	02728-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	35
	02728-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	35
	02729-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	34
	02729-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	34
	02730-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.47	0.60	0.64	34
	02730-00002	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.57	34
	02731-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	35
	02731-00002	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	35
	02732-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	35
	02732-00002	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.19	0.28	35
	02733-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02733-00002	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	35
	02734-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.48	0.60	34
	02734-00002	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.43	0.53	34
	02735-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.28	0.53	34
	02735-00002	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	34
	02736-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	34
	02736-00002	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	34
	02737-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	35
	02737-00002	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.35	0.46	0.55	35
	02738-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.30	0.50	0.60	34
	02738-00002	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.30	0.45	0.54	34
	02739-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	35
	02739-00002	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	35
	02740-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.27	0.52	34
	02740-00002	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	34
	02741-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	35
	02741-00002	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02742-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.22	0.42	34
	02742-00002	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.20	0.37	34
	02743-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	35
	02743-00002	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	35
	02744-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	35
	02744-00002	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	35
	02745-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	35
	02745-00002	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.45	35
	02746-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.49	0.60	34
	02746-00002	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.53	34
	02747-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.28	0.53	34
	02747-00002	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.47	34
	02748-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	34
	02748-00002	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	34
	02749-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	35
	02749-00002	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.46	0.55	35
	02750-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02750-00002	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.54	34
	02751-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	35
	02751-00002	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.47	35
	02752-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.27	0.52	34
	02752-00002	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	34
	02753-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	35
	02753-00002	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	35
	02754-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	34
	02754-00002	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	34
	02755-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.49	0.55	0.57	32
	02756-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.26	0.49	33
	02757-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.19	0.28	33
	02758-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.45	33
	02759-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.44	0.54	32
	02760-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	32
	02761-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.44	32
	02762-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.55	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02763-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.46	0.54	32
	02764-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.48	33
	02765-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	32
	02766-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	33
	02767-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	32
	02768-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.26	0.49	33
	02769-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.28	33
	02770-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.19	0.45	33
	02771-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	32
	02772-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	32
	02773-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	32
	02774-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.47	0.55	33
	02775-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.54	32
	02776-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.48	33
	02777-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.24	0.46	32
	02778-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.38	33
	02779-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.37	32

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02780-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.49	0.54	0.57	32
	02781-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.26	0.48	33
	02782-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.28	33
	02783-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	33
	02784-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.43	0.53	33
	02785-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	33
	02786-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.44	33
	02787-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.55	33
	02788-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.54	32
	02789-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.47	33
	02790-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	33
	02791-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	33
	02792-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	33
	02793-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	33
	02794-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.28	33
	02795-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.45	33
	02796-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.44	0.53	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02797-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	33
	02798-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	33
	02799-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.46	0.55	33
	02800-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.45	0.54	33
	02801-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.47	33
	02802-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	33
	02803-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	33
	02804-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.37	33
	02805-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.49	0.56	0.58	33
	02806-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.27	0.49	34
	02807-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.19	0.28	34
	02808-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.45	34
	02809-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.44	0.54	33
	02810-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	33
	02811-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.44	33
	02812-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.56	34
	02813-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.46	0.54	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02814-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.48	34
	02815-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.46	33
	02816-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.39	34
	02817-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	33
	02818-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.49	34
	02819-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.28	34
	02820-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.45	34
	02821-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	34
	02822-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	34
	02823-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	34
	02824-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.47	0.56	34
	02825-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.54	33
	02826-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.48	34
	02827-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	34
	02828-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.39	34
	02829-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	34
	02830-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.51	0.55	0.57	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02831-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.27	0.48	34
	02832-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.19	0.28	34
	02833-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.20	0.45	34
	02834-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.44	0.54	33
	02835-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.47	33
	02836-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.44	33
	02837-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.39	0.47	0.55	34
	02838-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.45	0.54	33
	02839-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.25	0.48	34
	02840-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.46	33
	02841-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.21	0.38	34
	02842-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.37	33
	02843-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.34	0.26	0.48	34
	02844-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.34	0.19	0.28	34
	02845-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.20	0.45	34
	02846-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.44	0.54	34
	02847-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.47	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02848-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.44	34
	02849-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.35	0.47	0.55	34
	02850-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.45	0.54	34
	02851-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.25	0.48	34
	02852-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.24	0.46	34
	02853-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.34	0.20	0.38	34
	02854-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.37	34
	02855-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	33
	02856-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.49	34
	02857-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	34
	02858-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	34
	02859-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	34
	02860-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.48	34
	02861-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	34
	02862-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	34
	02863-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.46	0.54	33
	02864-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.48	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02865-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	34
	02866-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	34
	02867-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	34
	02868-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	34
	02869-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	34
	02870-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	34
	02871-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.54	34
	02872-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.48	34
	02873-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34
	02874-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	34
	02875-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	34
	02876-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	34
	02877-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	34
	02878-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	34
	02879-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	34
	02880-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.57	34
	02881-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.48	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02882-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	34
	02883-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	34
	02884-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.43	0.53	34
	02885-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	34
	02886-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	34
	02887-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.46	0.55	34
	02888-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.54	34
	02889-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	34
	02890-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	34
	02891-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	34
	02892-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	34
	02893-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	35
	02894-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35
	02895-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	35
	02896-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.53	34
	02897-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	34
	02898-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02899-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.46	0.55	35
	02900-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	34
	02901-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	35
	02902-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	34
	02903-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	35
	02904-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	34
	02905-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.56	0.58	34
	02906-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.27	0.49	35
	02907-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.28	35
	02908-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	35
	02909-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	34
	02910-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	34
	02911-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.44	34
	02912-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.56	35
	02913-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.46	0.54	34
	02914-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.48	35
	02915-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.46	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02916-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.39	35
	02917-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	34
	02918-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	35
	02919-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35
	02920-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.45	35
	02921-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.54	35
	02922-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.48	35
	02923-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	35
	02924-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.56	35
	02925-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	34
	02926-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	35
	02927-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	35
	02928-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.39	35
	02929-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	35
	02930-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.50	0.55	0.57	34
	02931-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.27	0.48	35
	02932-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.38	0.19	0.28	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02933-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.20	0.45	35
	02934-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.43	0.54	34
	02935-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.47	34
	02936-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.44	34
	02937-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.38	0.47	0.55	35
	02938-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.45	0.54	34
	02939-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.25	0.48	35
	02940-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.46	34
	02941-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.21	0.38	35
	02942-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.37	34
	02943-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.26	0.48	35
	02944-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.18	0.28	35
	02945-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.45	35
	02946-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.44	0.54	35
	02947-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.47	35
	02948-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.44	35
	02949-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.34	0.47	0.55	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02950-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.45	0.54	34
	02951-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.25	0.48	35
	02952-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.24	0.46	35
	02953-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.20	0.38	35
	02954-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.37	35
	02955-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	33
	02956-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.49	34
	02957-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.18	0.28	34
	02958-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	34
	02959-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	33
	02960-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.48	33
	02961-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	33
	02962-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	34
	02963-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.46	0.54	33
	02964-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.48	34
	02965-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	33
	02966-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02967-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	33
	02968-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.49	34
	02969-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	34
	02970-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	34
	02971-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.54	33
	02972-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	33
	02973-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34
	02974-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	34
	02975-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	33
	02976-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	34
	02977-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	33
	02978-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	34
	02979-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	33
	02980-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.57	33
	02981-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.48	34
	02982-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	34
	02983-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	02984-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.43	0.53	33
	02985-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	33
	02986-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	33
	02987-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.46	0.55	34
	02988-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.54	33
	02989-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.47	34
	02990-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	33
	02991-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	34
	02992-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	33
	02993-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	34
	02994-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	34
	02995-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	34
	02996-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.53	34
	02997-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	34
	02998-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34
	02999-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.46	0.55	34
	03000-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03001-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	34
	03002-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	34
	03003-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	34
	03004-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	34
	03005-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.49	0.56	0.58	34
	03006-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.27	0.49	35
	03007-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.28	35
	03008-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	35
	03009-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	34
	03010-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	34
	03011-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.44	34
	03012-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.56	35
	03013-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.46	0.54	34
	03014-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.48	35
	03015-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.46	34
	03016-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.39	35
	03017-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03018-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	35
	03019-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35
	03020-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.45	35
	03021-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.54	34
	03022-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	34
	03023-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34
	03024-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.56	35
	03025-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	34
	03026-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	35
	03027-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	34
	03028-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.39	35
	03029-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	34
	03030-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.50	0.55	0.57	34
	03031-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.27	0.48	35
	03032-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.19	0.28	35
	03033-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.20	0.45	35
	03034-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.43	0.54	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03035-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.47	34
	03036-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.44	34
	03037-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.39	0.47	0.55	35
	03038-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.45	0.54	34
	03039-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.25	0.48	35
	03040-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.46	34
	03041-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.21	0.38	35
	03042-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.37	34
	03043-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.26	0.48	35
	03044-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.19	0.28	35
	03045-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.45	35
	03046-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.44	0.54	34
	03047-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.47	34
	03048-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.44	34
	03049-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.34	0.47	0.55	35
	03050-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.45	0.54	34
	03051-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.25	0.48	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03052-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.24	0.46	34
	03053-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.20	0.38	35
	03054-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.37	34
	03055-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	34
	03056-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.49	34
	03057-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	34
	03058-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	35
	03059-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	34
	03060-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.48	34
	03061-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	34
	03062-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	34
	03063-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.46	0.54	34
	03064-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.48	35
	03065-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	34
	03066-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	34
	03067-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	34
	03068-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03069-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35
	03070-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	35
	03071-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.54	34
	03072-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.48	34
	03073-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34
	03074-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	35
	03075-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	34
	03076-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	35
	03077-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	34
	03078-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	35
	03079-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	34
	03080-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.57	34
	03081-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.48	35
	03082-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	35
	03083-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	35
	03084-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.43	0.53	34
	03085-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03086-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	34
	03087-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.46	0.55	35
	03088-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.54	34
	03089-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	35
	03090-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	34
	03091-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	35
	03092-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	34
	03093-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	35
	03094-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	35
	03095-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	35
	03096-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.53	34
	03097-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	34
	03098-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	34
	03099-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.46	0.55	35
	03100-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	34
	03101-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	35
	03102-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03103-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	35
	03104-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	34
	03105-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.56	0.58	34
	03106-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.27	0.49	35
	03107-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.28	35
	03108-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	35
	03109-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	35
	03110-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.48	35
	03111-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.44	35
	03112-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.56	35
	03113-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.46	0.54	34
	03114-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.48	35
	03115-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.46	35
	03116-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.39	35
	03117-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	35
	03118-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	35
	03119-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03120-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.45	35
	03121-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.54	35
	03122-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.48	35
	03123-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	35
	03124-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.56	35
	03125-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	35
	03126-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	35
	03127-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	35
	03128-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.39	35
	03129-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	35
	03130-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.50	0.55	0.57	34
	03131-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.27	0.48	35
	03132-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.19	0.28	35
	03133-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.20	0.45	35
	03134-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.43	0.54	34
	03135-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.47	34
	03136-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.44	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03137-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.38	0.47	0.55	35
	03138-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.45	0.54	34
	03139-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.25	0.48	35
	03140-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.46	34
	03141-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.21	0.38	35
	03142-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.37	34
	03143-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.26	0.48	35
	03144-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.18	0.28	35
	03145-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.45	35
	03146-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.44	0.54	35
	03147-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.47	35
	03148-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.44	35
	03149-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.34	0.47	0.55	35
	03150-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.45	0.54	35
	03151-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.25	0.48	35
	03152-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.24	0.46	35
	03153-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.38	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03154-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.37	35
	03155-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.49	0.49	0.51	32
	03156-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	33
	03157-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.17	0.25	33
	03158-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.40	33
	03159-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.48	32
	03160-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	32
	03161-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.17	0.39	32
	03162-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	33
	03163-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	32
	03164-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	33
	03165-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	32
	03166-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	33
	03167-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	32
	03168-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.24	0.43	33
	03169-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.16	0.25	33
	03170-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.40	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03171-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.48	32
	03172-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	32
	03173-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	32
	03174-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.42	0.49	33
	03175-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.41	0.48	32
	03176-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.22	0.42	33
	03177-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.41	32
	03178-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	33
	03179-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.33	32
	03180-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.49	0.48	0.50	32
	03181-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	33
	03182-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.24	33
	03183-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.39	33
	03184-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.39	0.47	33
	03185-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	33
	03186-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.17	0.38	33
	03187-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03188-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	32
	03189-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.22	0.42	33
	03190-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	33
	03191-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	33
	03192-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	33
	03193-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.23	0.43	33
	03194-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.16	0.24	33
	03195-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.39	33
	03196-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.39	0.47	33
	03197-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	33
	03198-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.38	33
	03199-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.41	0.49	33
	03200-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.40	0.47	33
	03201-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.22	0.42	33
	03202-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	33
	03203-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	33
	03204-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.33	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03205-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.49	0.50	0.51	33
	03206-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	34
	03207-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.17	0.25	34
	03208-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.40	34
	03209-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.48	33
	03210-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	33
	03211-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	33
	03212-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	34
	03213-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.41	0.48	33
	03214-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	34
	03215-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.41	33
	03216-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	34
	03217-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.33	33
	03218-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.24	0.43	34
	03219-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.17	0.25	34
	03220-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.40	34
	03221-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.48	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03222-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	34
	03223-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.39	34
	03224-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.42	0.49	34
	03225-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.41	0.48	33
	03226-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.23	0.42	34
	03227-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	34
	03228-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	34
	03229-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.33	34
	03230-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.51	0.49	0.50	33
	03231-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.24	0.43	34
	03232-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.17	0.25	34
	03233-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.18	0.40	34
	03234-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.39	0.47	33
	03235-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	33
	03236-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.39	33
	03237-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.39	0.42	0.49	34
	03238-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.40	0.48	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03239-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.23	0.42	34
	03240-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.41	33
	03241-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.19	0.34	34
	03242-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.33	33
	03243-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.34	0.24	0.43	34
	03244-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.34	0.17	0.25	34
	03245-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.18	0.40	34
	03246-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.39	0.47	34
	03247-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.23	0.42	34
	03248-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.39	34
	03249-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.35	0.42	0.49	34
	03250-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.40	0.48	34
	03251-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.23	0.42	34
	03252-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.22	0.41	34
	03253-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.18	0.34	34
	03254-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.33	34
	03255-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.48	0.49	0.51	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03256-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	34
	03257-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	34
	03258-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	34
	03259-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.48	34
	03260-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	34
	03261-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.39	34
	03262-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	34
	03263-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	33
	03264-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.42	34
	03265-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	34
	03266-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	34
	03267-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	34
	03268-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	34
	03269-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.25	34
	03270-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	34
	03271-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	34
	03272-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03273-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	34
	03274-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	34
	03275-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	34
	03276-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	34
	03277-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	34
	03278-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	34
	03279-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	34
	03280-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	34
	03281-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	34
	03282-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	34
	03283-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	34
	03284-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.47	34
	03285-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	34
	03286-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.38	34
	03287-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.41	0.49	34
	03288-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	34
	03289-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03290-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	34
	03291-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	34
	03292-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	34
	03293-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	35
	03294-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	35
	03295-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	35
	03296-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	34
	03297-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	34
	03298-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	34
	03299-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.41	0.49	35
	03300-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	34
	03301-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	35
	03302-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	34
	03303-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	35
	03304-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	34
	03305-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.48	0.50	0.51	34
	03306-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03307-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.25	35
	03308-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.40	35
	03309-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.48	34
	03310-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	34
	03311-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.39	34
	03312-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	35
	03313-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	34
	03314-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	35
	03315-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	34
	03316-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	35
	03317-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	34
	03318-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.24	0.43	35
	03319-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.17	0.25	35
	03320-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	35
	03321-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	35
	03322-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	35
	03323-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
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Initial Cert. Date: 07/22/2004
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Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03324-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	35
	03325-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	34
	03326-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	35
	03327-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	35
	03328-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	35
	03329-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.33	35
	03330-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.50	0.49	0.50	34
	03331-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.24	0.43	35
	03332-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.17	0.25	35
	03333-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.18	0.40	35
	03334-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.39	0.47	34
	03335-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	34
	03336-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	34
	03337-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.38	0.42	0.49	35
	03338-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.40	0.48	34
	03339-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.23	0.42	35
	03340-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.41	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03341-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.19	0.34	35
	03342-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.33	34
	03343-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.33	0.24	0.43	35
	03344-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.33	0.17	0.25	35
	03345-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.40	35
	03346-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.39	0.47	35
	03347-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	35
	03348-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	35
	03349-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.34	0.42	0.49	35
	03350-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.40	0.48	34
	03351-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.23	0.42	35
	03352-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.41	35
	03353-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	35
	03354-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.33	35
	03355-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.49	0.51	33
	03356-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	34
	03357-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.25	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03358-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.40	34
	03359-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.48	33
	03360-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	33
	03361-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.39	33
	03362-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	34
	03363-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	33
	03364-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.42	34
	03365-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	33
	03366-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	34
	03367-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	33
	03368-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.24	0.43	34
	03369-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.25	34
	03370-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	34
	03371-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	33
	03372-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	33
	03373-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	34
	03374-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03375-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	33
	03376-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	34
	03377-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	33
	03378-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	34
	03379-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	33
	03380-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	33
	03381-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	34
	03382-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	34
	03383-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.39	34
	03384-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.47	33
	03385-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	33
	03386-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.38	33
	03387-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.41	0.49	34
	03388-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	33
	03389-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.42	34
	03390-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	33
	03391-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03392-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	33
	03393-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	34
	03394-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	34
	03395-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	34
	03396-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	34
	03397-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	34
	03398-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	34
	03399-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.41	0.49	34
	03400-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	34
	03401-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	34
	03402-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	34
	03403-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	34
	03404-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	34
	03405-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.49	0.50	0.51	34
	03406-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	35
	03407-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.25	35
	03408-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.40	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03409-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.48	34
	03410-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	34
	03411-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	34
	03412-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	35
	03413-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	34
	03414-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	35
	03415-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	34
	03416-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	35
	03417-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	34
	03418-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.24	0.43	35
	03419-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.17	0.25	35
	03420-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	35
	03421-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	34
	03422-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	34
	03423-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.39	34
	03424-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	35
	03425-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03426-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	35
	03427-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	34
	03428-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	35
	03429-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.33	34
	03430-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.50	0.49	0.50	34
	03431-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.24	0.43	35
	03432-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.17	0.25	35
	03433-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.18	0.40	35
	03434-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.39	0.47	34
	03435-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	34
	03436-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	34
	03437-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.42	0.49	35
	03438-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.40	0.48	34
	03439-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.23	0.42	35
	03440-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.41	34
	03441-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.19	0.34	35
	03442-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.33	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03443-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.24	0.43	35
	03444-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.17	0.25	35
	03445-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.40	35
	03446-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.39	0.47	34
	03447-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	34
	03448-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	34
	03449-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.34	0.42	0.49	35
	03450-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.40	0.48	34
	03451-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.23	0.42	35
	03452-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.41	34
	03453-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.18	0.34	35
	03454-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.33	34
	03455-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	34
	03456-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	34
	03457-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	34
	03458-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	35
	03459-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03460-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	34
	03461-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.39	34
	03462-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	34
	03463-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	34
	03464-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	35
	03465-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	34
	03466-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	34
	03467-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	34
	03468-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	35
	03469-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.25	35
	03470-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	35
	03471-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	34
	03472-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	34
	03473-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	34
	03474-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	35
	03475-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	34
	03476-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03477-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	34
	03478-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	35
	03479-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	34
	03480-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	34
	03481-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	35
	03482-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	35
	03483-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	35
	03484-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.47	34
	03485-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	34
	03486-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.38	34
	03487-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.41	0.49	35
	03488-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	34
	03489-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	35
	03490-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	34
	03491-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	35
	03492-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	34
	03493-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03494-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	35
	03495-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.39	35
	03496-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	34
	03497-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	34
	03498-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	34
	03499-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.41	0.49	35
	03500-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	34
	03501-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	35
	03502-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	34
	03503-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	35
	03504-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	34
	03505-00001	150 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.48	0.50	0.51	34
	03506-00001	150 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	35
	03507-00001	150 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.25	35
	03508-00001	150 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.40	35
	03509-00001	150 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.48	35
	03510-00001	150 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03511-00001	150 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.39	35
	03512-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	35
	03513-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	34
	03514-00001	150 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	35
	03515-00001	150 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	35
	03516-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	35
	03517-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	35
	03518-00001	150 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.24	0.43	35
	03519-00001	150 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.17	0.25	35
	03520-00001	150 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	35
	03521-00001	150 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	35
	03522-00001	150 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	35
	03523-00001	150 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	35
	03524-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	35
	03525-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	35
	03526-00001	150 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	35
	03527-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03528-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	35
	03529-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.33	35
	03530-00001	150 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.50	0.49	0.50	34
	03531-00001	150 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.24	0.43	35
	03532-00001	150 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.17	0.25	35
	03533-00001	150 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.18	0.40	35
	03534-00001	150 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.39	0.47	34
	03535-00001	150 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	34
	03536-00001	150 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	35
	03537-00001	150 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.38	0.42	0.49	35
	03538-00001	150 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.40	0.48	34
	03539-00001	150 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.23	0.42	35
	03540-00001	150 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.41	34
	03541-00001	150 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.19	0.34	35
	03542-00001	150 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.33	34
	03543-00001	150 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.33	0.24	0.43	35
	03544-00001	150 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.33	0.17	0.25	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03545-00001	150 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.40	35
	03546-00001	150 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.39	0.47	35
	03547-00001	150 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	35
	03548-00001	150 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	35
	03549-00001	150 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.34	0.42	0.49	35
	03550-00001	150 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.40	0.48	35
	03551-00001	150 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.23	0.42	35
	03552-00001	150 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.41	35
	03553-00001	150 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	35
	03554-00001	150 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.33	35
	03555-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	N		CL	0.48	0.61	0.64	54
	03555-00002	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.48	0.55	0.57	54
	03556-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.54	57
	03556-00002	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.48	57
	03557-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.20	0.31	57
	03557-00002	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.18	0.28	57
	03558-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.50	57

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03558-00002	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.45	57
	03559-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.49	0.60	51
	03559-00002	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.44	0.53	51
	03560-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.29	0.53	51
	03560-00002	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.47	51
	03561-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.49	51
	03561-00002	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.44	51
	03562-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	57
	03562-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.47	0.55	57
	03563-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.51	0.60	50
	03563-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.45	0.53	50
	03564-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.28	0.53	57
	03564-00002	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.25	0.47	57
	03565-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.27	0.51	51
	03565-00002	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	51
	03566-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.43	57
	03566-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.38	57

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03567-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.42	51
	03567-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.37	51
	03568-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.29	0.54	57
	03568-00002	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.26	0.48	57
	03569-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	57
	03569-00002	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.28	57
	03570-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.21	0.50	57
	03570-00002	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	57
	03571-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.49	0.60	52
	03571-00002	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.44	0.53	52
	03572-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.28	0.53	53
	03572-00002	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.26	0.47	53
	03573-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	53
	03573-00002	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.44	53
	03574-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.32	0.52	0.62	57
	03574-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.47	0.55	57
	03575-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.28	0.51	0.60	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03575-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.45	0.53	52
	03576-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.27	0.53	57
	03576-00002	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.25	0.47	57
	03577-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.27	0.51	53
	03577-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.46	53
	03578-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.22	0.43	57
	03578-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.20	0.38	57
	03579-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.42	53
	03579-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.37	53
	03580-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	N		CL	0.47	0.60	0.63	54
	03580-00002	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.56	54
	03581-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.29	0.54	57
	03581-00002	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.26	0.48	57
	03582-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	57
	03582-00002	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.27	57
	03583-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.50	57
	03583-00002	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.44	57

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03584-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.48	0.59	50
	03584-00002	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.43	0.53	50
	03585-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.28	0.52	51
	03585-00002	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.26	0.47	51
	03586-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	51
	03586-00002	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.43	51
	03587-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.52	0.61	57
	03587-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.46	0.55	57
	03588-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.30	0.50	0.60	50
	03588-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.30	0.45	0.53	50
	03589-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.28	0.53	57
	03589-00002	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.25	0.47	57
	03590-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.27	0.51	51
	03590-00002	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.24	0.46	51
	03591-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.22	0.43	57
	03591-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.20	0.38	57
	03592-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.41	50

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03592-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.37	50
	03593-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.29	0.54	57
	03593-00002	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.26	0.48	57
	03594-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.20	0.31	57
	03594-00002	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.18	0.27	57
	03595-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.21	0.50	57
	03595-00002	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.44	57
	03596-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.48	0.59	52
	03596-00002	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.43	0.53	52
	03597-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.28	0.52	53
	03597-00002	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.25	0.47	53
	03598-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.49	53
	03598-00002	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.43	53
	03599-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.32	0.51	0.61	57
	03599-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.32	0.46	0.55	57
	03600-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.28	0.50	0.60	52
	03600-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.45	0.53	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03601-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	57
	03601-00002	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.47	57
	03602-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.27	0.51	53
	03602-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	53
	03603-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.22	0.43	57
	03603-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.20	0.38	57
	03604-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.21	0.41	53
	03604-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.37	53
	03605-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	N		CL	0.47	0.61	0.64	55
	03605-00002	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.47	0.55	0.57	55
	03606-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	58
	03606-00002	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	58
	03607-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	58
	03607-00002	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.28	58
	03608-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	58
	03608-00002	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	58
	03609-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.49	0.60	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03609-00002	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.44	0.53	52
	03610-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.28	0.53	53
	03610-00002	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	53
	03611-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	53
	03611-00002	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	53
	03612-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.52	0.62	58
	03612-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.47	0.55	58
	03613-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	52
	03613-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.53	52
	03614-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	58
	03614-00002	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	58
	03615-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.27	0.51	52
	03615-00002	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	52
	03616-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	58
	03616-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	58
	03617-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.42	52
	03617-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03618-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	58
	03618-00002	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	58
	03619-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	58
	03619-00002	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	58
	03620-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	58
	03620-00002	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.45	58
	03621-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.49	0.60	54
	03621-00002	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.44	0.53	54
	03622-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.28	0.53	55
	03622-00002	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.26	0.47	55
	03623-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	55
	03623-00002	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.44	55
	03624-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	58
	03624-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.47	0.55	58
	03625-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.51	0.60	54
	03625-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.53	54
	03626-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03626-00002	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	58
	03627-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.27	0.51	55
	03627-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	55
	03628-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	58
	03628-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	58
	03629-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	55
	03629-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	55
	03630-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	N		CL	0.47	0.60	0.63	55
	03630-00002	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.56	55
	03631-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	58
	03631-00002	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	58
	03632-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	58
	03632-00002	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.27	58
	03633-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.50	58
	03633-00002	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.44	58
	03634-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.48	0.59	52
	03634-00002	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.43	0.53	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03635-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.28	0.52	53
	03635-00002	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	53
	03636-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	53
	03636-00002	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.43	53
	03637-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.34	0.51	0.61	58
	03637-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.46	0.55	58
	03638-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	52
	03638-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.53	52
	03639-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	58
	03639-00002	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	58
	03640-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.27	0.51	52
	03640-00002	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	52
	03641-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	58
	03641-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	58
	03642-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.41	52
	03642-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	52
	03643-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.29	0.54	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03643-00002	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.48	58
	03644-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	58
	03644-00002	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.27	58
	03645-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	58
	03645-00002	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.44	58
	03646-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.48	0.59	54
	03646-00002	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.43	0.53	54
	03647-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.28	0.52	55
	03647-00002	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.25	0.47	55
	03648-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	55
	03648-00002	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.43	55
	03649-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.31	0.51	0.61	58
	03649-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.46	0.55	58
	03650-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	54
	03650-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.53	54
	03651-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	58
	03651-00002	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03652-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.27	0.51	55
	03652-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	55
	03653-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	58
	03653-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	58
	03654-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.41	54
	03654-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	54
	03655-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	N		CL	0.47	0.61	0.64	55
	03655-00002	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.55	0.57	55
	03656-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	58
	03656-00002	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	58
	03657-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	58
	03657-00002	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.28	58
	03658-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	58
	03658-00002	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	58
	03659-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.49	0.60	52
	03659-00002	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.44	0.53	52
	03660-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.28	0.53	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03660-00002	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	52
	03661-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	52
	03661-00002	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	52
	03662-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	58
	03662-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.47	0.55	58
	03663-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	51
	03663-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.53	51
	03664-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	58
	03664-00002	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	58
	03665-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.27	0.51	52
	03665-00002	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	52
	03666-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	58
	03666-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	58
	03667-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.21	0.42	52
	03667-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.19	0.37	52
	03668-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	58
	03668-00002	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03669-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	58
	03669-00002	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	58
	03670-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.21	0.50	58
	03670-00002	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.19	0.45	58
	03671-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.49	0.60	54
	03671-00002	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.44	0.53	54
	03672-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.28	0.53	54
	03672-00002	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.47	54
	03673-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	54
	03673-00002	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.44	54
	03674-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	58
	03674-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.47	0.55	58
	03675-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.51	0.60	53
	03675-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.53	53
	03676-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	58
	03676-00002	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.47	58
	03677-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.27	0.51	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03677-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	54
	03678-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	58
	03678-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	58
	03679-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	54
	03679-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	54
	03680-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	N		CL	0.47	0.60	0.63	55
	03680-00002	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.56	55
	03681-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	58
	03681-00002	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	58
	03682-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	58
	03682-00002	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.27	58
	03683-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	58
	03683-00002	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.44	58
	03684-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.48	0.59	51
	03684-00002	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.43	0.53	51
	03685-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.28	0.52	52
	03685-00002	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03686-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	52
	03686-00002	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.43	52
	03687-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.51	0.61	58
	03687-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.46	0.55	58
	03688-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	51
	03688-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.53	51
	03689-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	58
	03689-00002	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	58
	03690-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.27	0.51	52
	03690-00002	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	52
	03691-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	58
	03691-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	58
	03692-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.41	52
	03692-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	52
	03693-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	58
	03693-00002	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	58
	03694-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03694-00002	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.27	58
	03695-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	58
	03695-00002	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.44	58
	03696-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.48	0.59	53
	03696-00002	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.43	0.53	53
	03697-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.28	0.52	54
	03697-00002	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.25	0.47	54
	03698-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	54
	03698-00002	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.43	54
	03699-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.31	0.51	0.61	58
	03699-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.46	0.55	58
	03700-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	53
	03700-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.53	53
	03701-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	58
	03701-00002	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	58
	03702-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.27	0.51	54
	03702-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03703-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	58
	03703-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	58
	03704-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.41	54
	03704-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	54
	03705-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.46	0.61	0.64	55
	03705-00002	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.46	0.55	0.57	55
	03706-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	58
	03706-00002	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	58
	03707-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	58
	03707-00002	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.28	58
	03708-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	58
	03708-00002	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	58
	03709-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.49	0.60	52
	03709-00002	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.44	0.53	52
	03710-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.28	0.53	53
	03710-00002	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	53
	03711-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.49	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03711-00002	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.44	53
	03712-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.34	0.52	0.62	58
	03712-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.47	0.55	58
	03713-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	51
	03713-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.53	51
	03714-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	58
	03714-00002	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	58
	03715-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.27	0.51	52
	03715-00002	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	52
	03716-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	58
	03716-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	58
	03717-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.42	52
	03717-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	52
	03718-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	59
	03718-00002	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	59
	03719-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	59
	03719-00002	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03720-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	59
	03720-00002	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.45	59
	03721-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.49	0.60	54
	03721-00002	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.44	0.53	54
	03722-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.28	0.53	55
	03722-00002	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.26	0.47	55
	03723-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	55
	03723-00002	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.44	55
	03724-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	58
	03724-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.47	0.55	58
	03725-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.51	0.60	53
	03725-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.53	53
	03726-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	59
	03726-00002	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	59
	03727-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.27	0.51	55
	03727-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	55
	03728-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03728-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	59
	03729-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	54
	03729-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	54
	03730-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.46	0.60	0.63	55
	03730-00002	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.46	0.54	0.56	55
	03731-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	58
	03731-00002	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	58
	03732-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	58
	03732-00002	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.27	58
	03733-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.50	58
	03733-00002	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.44	58
	03734-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.48	0.59	52
	03734-00002	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.43	0.53	52
	03735-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.28	0.52	52
	03735-00002	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	52
	03736-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.49	53
	03736-00002	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.43	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03737-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.34	0.51	0.61	58
	03737-00002	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.34	0.46	0.55	58
	03738-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	51
	03738-00002	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.53	51
	03739-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.27	0.53	58
	03739-00002	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.47	58
	03740-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.27	0.51	52
	03740-00002	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	52
	03741-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	58
	03741-00002	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	58
	03742-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.21	0.41	52
	03742-00002	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	52
	03743-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.29	0.54	59
	03743-00002	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.48	59
	03744-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	58
	03744-00002	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.27	58
	03745-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03745-00002	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.44	59
	03746-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.48	0.59	54
	03746-00002	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.43	0.53	54
	03747-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.28	0.52	55
	03747-00002	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.25	0.47	55
	03748-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	55
	03748-00002	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.43	55
	03749-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.31	0.51	0.61	58
	03749-00002	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.31	0.46	0.55	58
	03750-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	53
	03750-00002	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.53	53
	03751-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	59
	03751-00002	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	59
	03752-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.27	0.51	54
	03752-00002	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	54
	03753-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	59
	03753-00002	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03754-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.21	0.41	54
	03754-00002	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	54
	03755-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	54
	03756-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.48	57
	03757-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.18	0.28	57
	03758-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	57
	03759-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.53	51
	03760-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	51
	03761-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	51
	03762-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.55	57
	03763-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.53	50
	03764-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.47	57
	03765-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	51
	03766-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	57
	03767-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.37	51
	03768-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	57
	03769-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	57

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03770-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	57
	03771-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.53	52
	03772-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	53
	03773-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	53
	03774-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	57
	03775-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.53	52
	03776-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.47	57
	03777-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	53
	03778-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	57
	03779-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	53
	03780-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.56	54
	03781-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.48	57
	03782-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.27	57
	03783-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.44	57
	03784-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.43	0.53	50
	03785-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	51
	03786-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.43	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03787-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.46	0.55	57
	03788-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.53	50
	03789-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.47	57
	03790-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	51
	03791-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	57
	03792-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	50
	03793-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	57
	03794-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.27	57
	03795-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.44	57
	03796-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.43	0.53	52
	03797-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.25	0.47	53
	03798-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.43	53
	03799-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.46	0.55	57
	03800-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.53	52
	03801-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	57
	03802-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	53
	03803-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	57

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03804-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	53
	03805-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	54
	03806-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.27	0.49	58
	03807-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.28	58
	03808-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.45	58
	03809-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	50
	03810-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	51
	03811-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	51
	03812-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.55	58
	03813-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.54	50
	03814-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.47	58
	03815-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	51
	03816-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	58
	03817-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	50
	03818-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	58
	03819-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	58
	03820-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.45	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03821-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.54	52
	03822-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	53
	03823-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	53
	03824-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	58
	03825-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.54	52
	03826-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	58
	03827-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	53
	03828-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	58
	03829-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	53
	03830-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.50	0.54	0.56	54
	03831-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.26	0.48	58
	03832-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.19	0.27	58
	03833-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.20	0.44	58
	03834-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.43	0.53	50
	03835-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.47	51
	03836-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.19	0.43	51
	03837-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.46	0.55	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03838-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.45	0.53	50
	03839-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.25	0.47	58
	03840-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.24	0.46	50
	03841-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.20	0.38	58
	03842-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.37	50
	03843-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.26	0.48	58
	03844-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.18	0.27	58
	03845-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.44	58
	03846-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.43	0.53	52
	03847-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.47	53
	03848-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.43	53
	03849-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.34	0.46	0.55	58
	03850-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.45	0.53	52
	03851-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.25	0.47	58
	03852-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.24	0.46	53
	03853-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.20	0.38	58
	03854-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.37	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03855-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.57	55
	03856-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	58
	03857-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	58
	03858-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	58
	03859-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.53	52
	03860-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	53
	03861-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	53
	03862-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.55	58
	03863-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.53	52
	03864-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	03865-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	52
	03866-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	58
	03867-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	52
	03868-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	58
	03869-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	58
	03870-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.45	58
	03871-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.53	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03872-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	55
	03873-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	55
	03874-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	58
	03875-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.53	54
	03876-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	58
	03877-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	55
	03878-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	58
	03879-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	55
	03880-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.54	0.56	55
	03881-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	58
	03882-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.27	58
	03883-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.44	58
	03884-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.43	0.53	52
	03885-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	53
	03886-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.43	53
	03887-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.46	0.55	58
	03888-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.53	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03889-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	03890-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	52
	03891-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	58
	03892-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	52
	03893-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.48	58
	03894-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.27	58
	03895-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.44	58
	03896-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.43	0.53	54
	03897-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.25	0.47	55
	03898-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.43	55
	03899-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.46	0.55	58
	03900-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.53	54
	03901-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	58
	03902-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	55
	03903-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	58
	03904-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	03905-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03906-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.49	59
	03907-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	59
	03908-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	59
	03909-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	52
	03910-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	52
	03911-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	53
	03912-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	59
	03913-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.54	51
	03914-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	59
	03915-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	52
	03916-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	59
	03917-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	52
	03918-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	59
	03919-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	59
	03920-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.45	59
	03921-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.54	54
	03922-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03923-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	55
	03924-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	59
	03925-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.46	0.54	54
	03926-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	59
	03927-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	55
	03928-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	59
	03929-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	55
	03930-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.49	0.54	0.56	55
	03931-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.26	0.48	59
	03932-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.19	0.27	59
	03933-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.44	59
	03934-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.43	0.53	52
	03935-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.47	52
	03936-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.43	52
	03937-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.46	0.55	59
	03938-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.45	0.53	51
	03939-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.25	0.47	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03940-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.24	0.46	52
	03941-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.38	59
	03942-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.37	52
	03943-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.26	0.48	59
	03944-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.27	59
	03945-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.44	59
	03946-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.43	0.53	54
	03947-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.47	55
	03948-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.43	55
	03949-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.46	0.55	59
	03950-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.45	0.53	54
	03951-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.25	0.47	59
	03952-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.24	0.46	55
	03953-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.38	59
	03954-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.37	55
	03955-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.57	55
	03956-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.48	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03957-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	58
	03958-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	58
	03959-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.53	52
	03960-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	52
	03961-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	52
	03962-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	58
	03963-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.53	51
	03964-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	03965-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	52
	03966-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	58
	03967-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	52
	03968-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	58
	03969-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	58
	03970-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.45	58
	03971-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.53	54
	03972-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	54
	03973-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03974-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	58
	03975-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.53	53
	03976-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	58
	03977-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	54
	03978-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	58
	03979-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	03980-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.54	0.56	55
	03981-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	58
	03982-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.27	58
	03983-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.44	58
	03984-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.43	0.53	51
	03985-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	52
	03986-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.43	52
	03987-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.46	0.55	58
	03988-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.53	51
	03989-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	03990-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	03991-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	58
	03992-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	52
	03993-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	58
	03994-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.27	58
	03995-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.44	58
	03996-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.43	0.53	53
	03997-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.25	0.47	54
	03998-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.43	54
	03999-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.46	0.55	58
	04000-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.53	53
	04001-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	58
	04002-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	54
	04003-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	58
	04004-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	04005-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.55	0.57	55
	04006-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.26	0.49	58
	04007-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04008-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	58
	04009-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.44	0.54	51
	04010-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	52
	04011-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.44	52
	04012-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	58
	04013-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.54	51
	04014-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	04015-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	51
	04016-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.38	58
	04017-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	51
	04018-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	59
	04019-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	59
	04020-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.45	59
	04021-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.44	0.54	53
	04022-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	54
	04023-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	54
	04024-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04025-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.46	0.54	53
	04026-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	59
	04027-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	54
	04028-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	59
	04029-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	04030-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.49	0.54	0.56	55
	04031-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.26	0.48	58
	04032-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.19	0.27	58
	04033-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.44	58
	04034-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.43	0.53	51
	04035-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.47	51
	04036-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.43	52
	04037-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.38	0.46	0.55	58
	04038-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.45	0.53	50
	04039-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.25	0.47	58
	04040-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.24	0.46	51
	04041-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.20	0.38	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04042-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.37	51
	04043-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.26	0.48	59
	04044-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.18	0.27	59
	04045-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.44	59
	04046-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.43	0.53	54
	04047-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.47	54
	04048-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.43	54
	04049-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.34	0.46	0.55	59
	04050-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.45	0.53	53
	04051-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.25	0.47	59
	04052-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.24	0.46	54
	04053-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.38	59
	04054-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.19	0.37	54
	04055-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.57	55
	04056-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	58
	04057-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	58
	04058-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 — **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04059-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.53	52
	04060-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	53
	04061-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	53
	04062-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.55	58
	04063-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.53	51
	04064-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	04065-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	52
	04066-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	58
	04067-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	52
	04068-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	59
	04069-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	59
	04070-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.45	59
	04071-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.53	54
	04072-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	55
	04073-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	55
	04074-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	58
	04075-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.53	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04076-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	59
	04077-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	55
	04078-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	59
	04079-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	04080-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.54	0.56	55
	04081-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	58
	04082-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.27	58
	04083-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.44	58
	04084-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.43	0.53	52
	04085-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	52
	04086-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.43	53
	04087-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.46	0.55	58
	04088-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.53	51
	04089-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	58
	04090-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	52
	04091-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	58
	04092-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04093-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.48	59
	04094-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.27	58
	04095-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.44	59
	04096-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.43	0.53	54
	04097-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.25	0.47	55
	04098-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.43	55
	04099-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.46	0.55	58
	04100-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.53	53
	04101-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	59
	04102-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	54
	04103-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	59
	04104-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	04105-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.57	55
	04106-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.49	59
	04107-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	59
	04108-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	59
	04109-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04110-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.47	52
	04111-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	52
	04112-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	59
	04113-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.54	51
	04114-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	59
	04115-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	52
	04116-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	59
	04117-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.37	52
	04118-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	59
	04119-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	59
	04120-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.45	59
	04121-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.54	54
	04122-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.47	54
	04123-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	55
	04124-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	59
	04125-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.46	0.54	53
	04126-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04127-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	54
	04128-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	59
	04129-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	54
	04130-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.49	0.54	0.56	55
	04131-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.26	0.48	59
	04132-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.19	0.27	59
	04133-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.44	59
	04134-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.43	0.53	51
	04135-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.47	52
	04136-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.43	52
	04137-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.37	0.46	0.55	59
	04138-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.45	0.53	51
	04139-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.25	0.47	59
	04140-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.24	0.46	52
	04141-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.38	59
	04142-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.37	52
	04143-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.26	0.48	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04144-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.27	59
	04145-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.44	59
	04146-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.43	0.53	54
	04147-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.47	55
	04148-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.43	55
	04149-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.33	0.46	0.55	59
	04150-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.45	0.53	53
	04151-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.25	0.47	59
	04152-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.24	0.46	54
	04153-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.38	59
	04154-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.37	54
	04155-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.49	0.50	54
	04156-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	57
	04157-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.24	57
	04158-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.40	57
	04159-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.47	51
	04160-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04161-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.39	51
	04162-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	57
	04163-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	50
	04164-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.42	57
	04165-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	51
	04166-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	57
	04167-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	51
	04168-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.23	0.43	57
	04169-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	57
	04170-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.17	0.40	57
	04171-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	52
	04172-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	53
	04173-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	53
	04174-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	57
	04175-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.47	52
	04176-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.22	0.42	57
	04177-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04178-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	57
	04179-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	53
	04180-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	54
	04181-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	57
	04182-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	57
	04183-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.39	57
	04184-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.47	50
	04185-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.41	51
	04186-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.17	0.38	51
	04187-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.41	0.48	57
	04188-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	50
	04189-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.42	57
	04190-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.40	51
	04191-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	57
	04192-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	50
	04193-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.23	0.42	57
	04194-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	57

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04195-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.17	0.39	57
	04196-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	52
	04197-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.41	53
	04198-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	53
	04199-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.41	0.48	57
	04200-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	52
	04201-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	57
	04202-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.40	53
	04203-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	57
	04204-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	53
	04205-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.49	0.51	54
	04206-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	58
	04207-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.25	58
	04208-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.40	58
	04209-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.48	50
	04210-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	51
	04211-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.39	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04212-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	58
	04213-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	50
	04214-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	58
	04215-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	51
	04216-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	58
	04217-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	50
	04218-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.24	0.43	58
	04219-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.17	0.25	58
	04220-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	58
	04221-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	52
	04222-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	53
	04223-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	53
	04224-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	58
	04225-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	52
	04226-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	58
	04227-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	53
	04228-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04229-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.33	53
	04230-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.50	0.48	0.50	54
	04231-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.24	0.43	58
	04232-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.17	0.24	58
	04233-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.18	0.39	58
	04234-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.39	0.47	50
	04235-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	51
	04236-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.38	51
	04237-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.41	0.49	58
	04238-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.40	0.47	50
	04239-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.23	0.42	58
	04240-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.22	0.41	50
	04241-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.18	0.34	58
	04242-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.33	50
	04243-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.24	0.43	58
	04244-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.17	0.24	58
	04245-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.39	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04246-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.39	0.47	52
	04247-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	53
	04248-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.17	0.38	53
	04249-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.34	0.41	0.49	58
	04250-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.40	0.47	52
	04251-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.22	0.42	58
	04252-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.41	53
	04253-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.18	0.34	58
	04254-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.33	53
	04255-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.50	55
	04256-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	58
	04257-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	58
	04258-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	58
	04259-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.47	52
	04260-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	53
	04261-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.39	53
	04262-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04263-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	52
	04264-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	58
	04265-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	52
	04266-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	58
	04267-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04268-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	58
	04269-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	58
	04270-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.40	58
	04271-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	54
	04272-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	55
	04273-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	55
	04274-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	58
	04275-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.47	54
	04276-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	58
	04277-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	55
	04278-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	58
	04279-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04280-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	55
	04281-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	58
	04282-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	58
	04283-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.39	58
	04284-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.38	0.47	52
	04285-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.41	53
	04286-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.38	53
	04287-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.41	0.48	58
	04288-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	52
	04289-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	58
	04290-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.40	52
	04291-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	58
	04292-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04293-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	58
	04294-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	58
	04295-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.39	58
	04296-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04297-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.41	55
	04298-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.38	55
	04299-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.41	0.48	58
	04300-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.47	54
	04301-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	58
	04302-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.40	55
	04303-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	58
	04304-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	54
	04305-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	55
	04306-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	59
	04307-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	59
	04308-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	59
	04309-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.48	52
	04310-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	52
	04311-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.39	53
	04312-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	59
	04313-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04314-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	59
	04315-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	52
	04316-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	59
	04317-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04318-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.24	0.43	59
	04319-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.25	59
	04320-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.40	59
	04321-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.48	54
	04322-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	55
	04323-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	55
	04324-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	59
	04325-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.48	54
	04326-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	59
	04327-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	55
	04328-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	59
	04329-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.33	55
	04330-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.49	0.48	0.50	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04331-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.24	0.43	59
	04332-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.17	0.24	59
	04333-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.39	59
	04334-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.39	0.47	52
	04335-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	52
	04336-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.38	52
	04337-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.41	0.49	59
	04338-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.40	0.47	51
	04339-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.23	0.42	59
	04340-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.41	52
	04341-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.34	59
	04342-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.33	52
	04343-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.23	0.43	59
	04344-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.17	0.24	59
	04345-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.39	59
	04346-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.39	0.47	54
	04347-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04348-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.38	55
	04349-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.33	0.41	0.49	59
	04350-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.40	0.47	54
	04351-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.22	0.42	59
	04352-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.41	55
	04353-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	59
	04354-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.33	55
	04355-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.50	55
	04356-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	58
	04357-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	58
	04358-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	58
	04359-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.47	52
	04360-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	52
	04361-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.39	52
	04362-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	58
	04363-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	51
	04364-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04365-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	52
	04366-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	58
	04367-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04368-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	58
	04369-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	58
	04370-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.17	0.40	58
	04371-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	54
	04372-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	54
	04373-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	54
	04374-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	58
	04375-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.47	53
	04376-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	58
	04377-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	54
	04378-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	58
	04379-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	54
	04380-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	55
	04381-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04382-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.24	58
	04383-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	58
	04384-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.47	51
	04385-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.41	52
	04386-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.38	52
	04387-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.41	0.48	58
	04388-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	51
	04389-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	58
	04390-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.40	52
	04391-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	58
	04392-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04393-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.42	58
	04394-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	58
	04395-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.39	58
	04396-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	53
	04397-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.41	54
	04398-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.38	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04399-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.41	0.48	58
	04400-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.47	53
	04401-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	58
	04402-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.40	54
	04403-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	58
	04404-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	54
	04405-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.49	0.51	55
	04406-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.24	0.43	58
	04407-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	58
	04408-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	58
	04409-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.39	0.48	51
	04410-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	52
	04411-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.39	52
	04412-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	58
	04413-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	51
	04414-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	58
	04415-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04416-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.34	58
	04417-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	51
	04418-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.24	0.43	59
	04419-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.25	59
	04420-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.40	59
	04421-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.48	53
	04422-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	54
	04423-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	54
	04424-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	58
	04425-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.48	53
	04426-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	59
	04427-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	54
	04428-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	59
	04429-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.33	54
	04430-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.49	0.48	0.50	55
	04431-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.24	0.43	58
	04432-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.17	0.24	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04433-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.39	58
	04434-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.39	0.47	51
	04435-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	51
	04436-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.38	52
	04437-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.38	0.41	0.49	58
	04438-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.40	0.47	50
	04439-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.23	0.42	58
	04440-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.41	51
	04441-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.34	58
	04442-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.33	51
	04443-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.23	0.43	59
	04444-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.17	0.24	59
	04445-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.39	59
	04446-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.39	0.47	54
	04447-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	54
	04448-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.38	54
	04449-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.41	0.49	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04450-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.40	0.47	53
	04451-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.22	0.42	59
	04452-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.41	54
	04453-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	59
	04454-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.33	54
	04455-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.50	55
	04456-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	58
	04457-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	58
	04458-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	58
	04459-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.47	52
	04460-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	53
	04461-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.39	53
	04462-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	58
	04463-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	51
	04464-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	58
	04465-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	52
	04466-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04467-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04468-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	59
	04469-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	59
	04470-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.40	59
	04471-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	54
	04472-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	55
	04473-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	55
	04474-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	58
	04475-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.47	53
	04476-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	59
	04477-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	55
	04478-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	59
	04479-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	54
	04480-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	55
	04481-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	58
	04482-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	58
	04483-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.39	58

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04484-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.38	0.47	52
	04485-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.41	52
	04486-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.38	53
	04487-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.41	0.48	58
	04488-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	51
	04489-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	58
	04490-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.40	52
	04491-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	58
	04492-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52
	04493-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	59
	04494-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	58
	04495-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.39	59
	04496-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	54
	04497-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.41	55
	04498-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VY/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.38	55
	04499-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.41	0.48	58
	04500-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.47	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04501-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	59
	04502-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.40	54
	04503-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	59
	04504-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VY/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	54
	04505-00001	160 SH | No Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	55
	04506-00001	160 SH | No Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	59
	04507-00001	160 SH | No Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	59
	04508-00001	160 SH | No Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	59
	04509-00001	160 SH | No Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.48	52
	04510-00001	160 SH | No Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	52
	04511-00001	160 SH | No Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.39	52
	04512-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	59
	04513-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	51
	04514-00001	160 SH | No Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	59
	04515-00001	160 SH | No Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	52
	04516-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	59
	04517-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04518-00001	160 SH | No Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.24	0.43	59
	04519-00001	160 SH | No Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.25	59
	04520-00001	160 SH | No Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.40	59
	04521-00001	160 SH | No Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.48	54
	04522-00001	160 SH | No Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	54
	04523-00001	160 SH | No Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	55
	04524-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	59
	04525-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.48	53
	04526-00001	160 SH | No Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	59
	04527-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	54
	04528-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	59
	04529-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.33	54
	04530-00001	160 SH | No Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.49	0.48	0.50	55
	04531-00001	160 SH | No Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.24	0.43	59
	04532-00001	160 SH | No Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.17	0.24	59
	04533-00001	160 SH | No Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.39	59
	04534-00001	160 SH | No Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.39	0.47	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04535-00001	160 SH | No Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	52
	04536-00001	160 SH | No Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.38	52
	04537-00001	160 SH | No Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.37	0.41	0.49	59
	04538-00001	160 SH | No Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.40	0.47	51
	04539-00001	160 SH | No Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.23	0.42	59
	04540-00001	160 SH | No Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.41	52
	04541-00001	160 SH | No Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.34	59
	04542-00001	160 SH | No Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.33	52
	04543-00001	160 SH | No Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.23	0.43	59
	04544-00001	160 SH | No Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.17	0.24	59
	04545-00001	160 SH | No Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.39	59
	04546-00001	160 SH | No Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.39	0.47	54
	04547-00001	160 SH | No Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	55
	04548-00001	160 SH | No Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VY/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.38	55
	04549-00001	160 SH | No Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.33	0.41	0.49	59
	04550-00001	160 SH | No Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.40	0.47	53
	04551-00001	160 SH | No Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.22	0.42	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04552-00001	160 SH | No Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.41	54
	04553-00001	160 SH | No Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	59
	04554-00001	160 SH | No Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VY/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.33	54
	04555-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	N		CL	0.47	0.62	0.64	32
	04555-00002	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.55	0.57	32
	04556-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.55	33
	04556-00002	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.49	33
	04557-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.20	0.31	33
	04557-00002	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.18	0.28	33
	04558-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.51	33
	04558-00002	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	33
	04559-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.49	0.60	32
	04559-00002	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.44	0.54	32
	04560-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.29	0.53	32
	04560-00002	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.48	32
	04561-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	32
	04561-00002	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	32

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04562-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.35	0.52	0.62	33
	04562-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.35	0.47	0.55	33
	04563-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.51	0.60	32
	04563-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.46	0.54	32
	04564-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	33
	04564-00002	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.48	33
	04565-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.27	0.52	32
	04565-00002	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	32
	04566-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	33
	04566-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	33
	04567-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.42	32
	04567-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	32
	04568-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.55	33
	04568-00002	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.49	33
	04569-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	33
	04569-00002	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	33
	04570-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.21	0.51	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04570-00002	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.45	33
	04571-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.49	0.60	32
	04571-00002	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.44	0.54	32
	04572-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.28	0.53	32
	04572-00002	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.26	0.48	32
	04573-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	32
	04573-00002	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.44	32
	04574-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	33
	04574-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.47	0.55	33
	04575-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.51	0.60	32
	04575-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.46	0.54	32
	04576-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.27	0.53	33
	04576-00002	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.25	0.48	33
	04577-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.27	0.52	32
	04577-00002	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	32
	04578-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	33
	04578-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04579-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	32
	04579-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	32
	04580-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	N		CL	0.47	0.60	0.64	32
	04580-00002	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.47	0.54	0.57	32
	04581-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	33
	04581-00002	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	33
	04582-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	33
	04582-00002	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.28	33
	04583-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.50	33
	04583-00002	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.45	33
	04584-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.48	0.60	33
	04584-00002	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.43	0.53	33
	04585-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.28	0.53	33
	04585-00002	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.26	0.47	33
	04586-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.49	33
	04586-00002	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.44	33
	04587-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.52	0.62	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04587-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.46	0.55	33
	04588-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.29	0.50	0.60	32
	04588-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.29	0.45	0.54	32
	04589-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.28	0.53	33
	04589-00002	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.25	0.47	33
	04590-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.27	0.52	33
	04590-00002	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.24	0.46	33
	04591-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	33
	04591-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	33
	04592-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.42	33
	04592-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	33
	04593-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.29	0.54	33
	04593-00002	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.26	0.48	33
	04594-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	33
	04594-00002	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	33
	04595-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	33
	04595-00002	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.45	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04596-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.49	0.60	33
	04596-00002	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.44	0.53	33
	04597-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.28	0.53	33
	04597-00002	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.25	0.47	33
	04598-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	33
	04598-00002	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.44	33
	04599-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	33
	04599-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.46	0.55	33
	04600-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.27	0.50	0.60	33
	04600-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.27	0.45	0.54	33
	04601-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	33
	04601-00002	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	33
	04602-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.27	0.52	33
	04602-00002	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.24	0.46	33
	04603-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.22	0.43	33
	04603-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.20	0.38	33
	04604-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.21	0.42	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04604-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.19	0.37	33
	04605-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	N		CL	0.46	0.62	0.64	33
	04605-00002	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.46	0.55	0.57	33
	04606-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.29	0.55	34
	04606-00002	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.49	34
	04607-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	34
	04607-00002	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	34
	04608-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.51	34
	04608-00002	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.45	34
	04609-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.49	0.60	34
	04609-00002	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.54	34
	04610-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.29	0.53	34
	04610-00002	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.48	34
	04611-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	34
	04611-00002	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	34
	04612-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	34
	04612-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.47	0.55	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04613-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.51	0.60	33
	04613-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.54	33
	04614-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.28	0.53	34
	04614-00002	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.48	34
	04615-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.27	0.52	34
	04615-00002	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	34
	04616-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	34
	04616-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	34
	04617-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	34
	04617-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	34
	04618-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.29	0.55	34
	04618-00002	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.49	34
	04619-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	34
	04619-00002	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	34
	04620-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.21	0.51	34
	04620-00002	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	34
	04621-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.49	0.60	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04621-00002	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.54	34
	04622-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	34
	04622-00002	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.26	0.48	34
	04623-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	34
	04623-00002	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	34
	04624-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	34
	04624-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.47	0.55	34
	04625-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.51	0.60	34
	04625-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.46	0.54	34
	04626-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	34
	04626-00002	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.48	34
	04627-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.27	0.52	34
	04627-00002	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	34
	04628-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	34
	04628-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	34
	04629-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.42	34
	04629-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04630-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	N		CL	0.46	0.60	0.64	34
	04630-00002	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.46	0.54	0.57	34
	04631-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	34
	04631-00002	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	34
	04632-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	34
	04632-00002	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	34
	04633-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	34
	04633-00002	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.45	34
	04634-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.48	0.60	34
	04634-00002	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.43	0.53	34
	04635-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.28	0.53	34
	04635-00002	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.47	34
	04636-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	34
	04636-00002	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	34
	04637-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	34
	04637-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.46	0.55	34
	04638-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04638-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.54	34
	04639-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.28	0.53	34
	04639-00002	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.47	34
	04640-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.27	0.52	34
	04640-00002	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	34
	04641-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	34
	04641-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	34
	04642-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	34
	04642-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	34
	04643-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	35
	04643-00002	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	35
	04644-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	35
	04644-00002	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	35
	04645-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.21	0.50	35
	04645-00002	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	35
	04646-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.48	0.60	34
	04646-00002	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.53	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04647-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	34
	04647-00002	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.25	0.47	34
	04648-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	34
	04648-00002	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	34
	04649-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	35
	04649-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.46	0.55	35
	04650-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.26	0.50	0.60	34
	04650-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.45	0.54	34
	04651-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	35
	04651-00002	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.47	35
	04652-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.27	0.52	34
	04652-00002	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	34
	04653-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	35
	04653-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	35
	04654-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.42	34
	04654-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	34
	04655-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	N		CL	0.46	0.62	0.64	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04655-00002	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.46	0.55	0.57	33
	04656-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.55	34
	04656-00002	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.49	34
	04657-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	34
	04657-00002	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.28	34
	04658-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.51	34
	04658-00002	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.45	34
	04659-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.49	0.60	33
	04659-00002	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.44	0.54	33
	04660-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.29	0.53	33
	04660-00002	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.48	33
	04661-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.49	33
	04661-00002	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.44	33
	04662-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.34	0.52	0.62	34
	04662-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.47	0.55	34
	04663-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.51	0.60	33
	04663-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.54	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04664-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.28	0.53	34
	04664-00002	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.48	34
	04665-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.27	0.52	33
	04665-00002	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	33
	04666-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	34
	04666-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	34
	04667-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	33
	04667-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	33
	04668-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.29	0.55	34
	04668-00002	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.49	34
	04669-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	34
	04669-00002	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	34
	04670-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.21	0.51	34
	04670-00002	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	34
	04671-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.49	0.60	33
	04671-00002	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.54	33
	04672-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.28	0.53	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04672-00002	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.26	0.48	33
	04673-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	34
	04673-00002	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	34
	04674-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	34
	04674-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.47	0.55	34
	04675-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.51	0.60	33
	04675-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.46	0.54	33
	04676-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	34
	04676-00002	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.48	34
	04677-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.27	0.52	33
	04677-00002	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	33
	04678-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	34
	04678-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	34
	04679-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.42	33
	04679-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	33
	04680-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	N		CL	0.46	0.60	0.64	33
	04680-00002	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.46	0.54	0.57	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04681-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	34
	04681-00002	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	34
	04682-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	34
	04682-00002	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.28	34
	04683-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.50	34
	04683-00002	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.45	34
	04684-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.48	0.60	33
	04684-00002	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.43	0.53	33
	04685-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.28	0.53	33
	04685-00002	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.47	33
	04686-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.49	33
	04686-00002	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.44	33
	04687-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	34
	04687-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.46	0.55	34
	04688-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	33
	04688-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.54	33
	04689-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.28	0.53	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04689-00002	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.47	34
	04690-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.27	0.52	33
	04690-00002	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	33
	04691-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	34
	04691-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	34
	04692-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	33
	04692-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	33
	04693-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.29	0.54	34
	04693-00002	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.48	34
	04694-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	34
	04694-00002	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	34
	04695-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.21	0.50	34
	04695-00002	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	34
	04696-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.48	0.60	34
	04696-00002	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.53	34
	04697-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.28	0.53	34
	04697-00002	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.25	0.47	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04698-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	34
	04698-00002	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	34
	04699-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	34
	04699-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.46	0.55	34
	04700-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.26	0.50	0.60	34
	04700-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.45	0.54	34
	04701-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	34
	04701-00002	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.47	34
	04702-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.27	0.52	34
	04702-00002	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	34
	04703-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	34
	04703-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	34
	04704-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.42	34
	04704-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	34
	04705-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.46	0.62	0.64	34
	04705-00002	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.46	0.55	0.57	34
	04706-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.29	0.55	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04706-00002	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.49	34
	04707-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	34
	04707-00002	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	34
	04708-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.51	35
	04708-00002	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.45	35
	04709-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.49	0.60	34
	04709-00002	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.54	34
	04710-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.29	0.53	34
	04710-00002	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.48	34
	04711-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	34
	04711-00002	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	34
	04712-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	34
	04712-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.47	0.55	34
	04713-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.51	0.60	34
	04713-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.54	34
	04714-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.28	0.53	35
	04714-00002	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.48	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04715-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.27	0.52	34
	04715-00002	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	34
	04716-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	34
	04716-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	34
	04717-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	34
	04717-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	34
	04718-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.55	35
	04718-00002	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.49	35
	04719-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	35
	04719-00002	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	35
	04720-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.21	0.51	35
	04720-00002	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	35
	04721-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.49	0.60	34
	04721-00002	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.54	34
	04722-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	34
	04722-00002	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.26	0.48	34
	04723-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04723-00002	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	34
	04724-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	35
	04724-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.47	0.55	35
	04725-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.51	0.60	34
	04725-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.46	0.54	34
	04726-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	35
	04726-00002	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.48	35
	04727-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.27	0.52	34
	04727-00002	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	34
	04728-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	35
	04728-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	35
	04729-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.21	0.42	34
	04729-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	34
	04730-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.46	0.60	0.64	34
	04730-00002	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.46	0.54	0.57	34
	04731-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	35
	04731-00002	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04732-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	35
	04732-00002	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	35
	04733-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	35
	04733-00002	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.45	35
	04734-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.48	0.60	34
	04734-00002	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.43	0.53	34
	04735-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.28	0.53	34
	04735-00002	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.47	34
	04736-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	34
	04736-00002	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	34
	04737-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	35
	04737-00002	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.46	0.55	35
	04738-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	34
	04738-00002	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.54	34
	04739-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.28	0.53	35
	04739-00002	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.25	0.47	35
	04740-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.27	0.52	34

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Air Leakage:

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Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04740-00002	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	34
	04741-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	35
	04741-00002	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	35
	04742-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	34
	04742-00002	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	34
	04743-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	35
	04743-00002	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	35
	04744-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	35
	04744-00002	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	35
	04745-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.21	0.50	35
	04745-00002	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	35
	04746-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.48	0.60	34
	04746-00002	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.53	34
	04747-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	34
	04747-00002	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.25	0.47	34
	04748-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	34
	04748-00002	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04749-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	35
	04749-00002	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.30	0.46	0.55	35
	04750-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.26	0.50	0.60	34
	04750-00002	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.26	0.45	0.54	34
	04751-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	35
	04751-00002	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.47	35
	04752-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.27	0.52	34
	04752-00002	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	34
	04753-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	35
	04753-00002	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	35
	04754-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.42	34
	04754-00002	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	34
	04755-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.57	32
	04756-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.49	33
	04757-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	33
	04758-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	33
	04759-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	32

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04760-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.48	32
	04761-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	32
	04762-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.55	33
	04763-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.46	0.54	32
	04764-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.48	33
	04765-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.24	0.46	32
	04766-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	33
	04767-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	32
	04768-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.49	33
	04769-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	33
	04770-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.45	33
	04771-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.54	32
	04772-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.26	0.48	32
	04773-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	32
	04774-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	33
	04775-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.46	0.54	32
	04776-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04777-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	32
	04778-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	33
	04779-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	32
	04780-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.54	0.57	32
	04781-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	33
	04782-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.18	0.28	33
	04783-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	33
	04784-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.43	0.53	33
	04785-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	33
	04786-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	33
	04787-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.46	0.55	33
	04788-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.45	0.54	32
	04789-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	33
	04790-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	33
	04791-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	33
	04792-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.37	33
	04793-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04794-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	33
	04795-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.45	33
	04796-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.53	33
	04797-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.25	0.47	33
	04798-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	33
	04799-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.46	0.55	33
	04800-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.45	0.54	33
	04801-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	33
	04802-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	33
	04803-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	33
	04804-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.37	33
	04805-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.56	0.58	33
	04806-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.27	0.49	34
	04807-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.19	0.28	34
	04808-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.45	34
	04809-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	33
	04810-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.26	0.48	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04811-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	33
	04812-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.47	0.56	34
	04813-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.46	0.54	33
	04814-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.48	34
	04815-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.25	0.46	33
	04816-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.39	34
	04817-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.20	0.38	33
	04818-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	34
	04819-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	34
	04820-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.45	34
	04821-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.54	34
	04822-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.48	34
	04823-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	34
	04824-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.56	34
	04825-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.46	0.54	33
	04826-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.48	34
	04827-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.46	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
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Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04828-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.39	34
	04829-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.38	34
	04830-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.49	0.54	0.57	33
	04831-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.27	0.48	34
	04832-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.19	0.28	34
	04833-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.45	34
	04834-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.43	0.54	33
	04835-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.47	33
	04836-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.44	33
	04837-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.47	0.55	34
	04838-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.45	0.54	33
	04839-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.25	0.48	34
	04840-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.24	0.46	33
	04841-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.38	34
	04842-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.37	33
	04843-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.26	0.48	34
	04844-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.28	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
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City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04845-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.45	34
	04846-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.44	0.54	34
	04847-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.47	34
	04848-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.44	34
	04849-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.47	0.55	34
	04850-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.45	0.54	34
	04851-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.25	0.48	34
	04852-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.24	0.46	34
	04853-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.20	0.38	34
	04854-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.37	34
	04855-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	33
	04856-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.49	34
	04857-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.28	34
	04858-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	34
	04859-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	34
	04860-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.48	34
	04861-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
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Initial Cert. Date: 07/22/2004
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04862-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	34
	04863-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	33
	04864-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.48	34
	04865-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	34
	04866-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	34
	04867-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	34
	04868-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	34
	04869-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	34
	04870-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	34
	04871-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	34
	04872-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.48	34
	04873-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	04874-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.55	34
	04875-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.46	0.54	34
	04876-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.48	34
	04877-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	34
	04878-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	34

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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04879-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	34
	04880-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.46	0.54	0.57	34
	04881-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	34
	04882-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.28	34
	04883-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.45	34
	04884-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.43	0.53	34
	04885-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	34
	04886-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	34
	04887-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.46	0.55	34
	04888-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	34
	04889-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	34
	04890-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	34
	04891-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	34
	04892-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	34
	04893-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	35
	04894-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	35
	04895-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04896-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.53	34
	04897-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.25	0.47	34
	04898-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	04899-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.55	35
	04900-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.54	34
	04901-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	35
	04902-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	34
	04903-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	35
	04904-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	34
	04905-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.58	34
	04906-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.27	0.49	35
	04907-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.19	0.28	35
	04908-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	35
	04909-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	34
	04910-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.48	34
	04911-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	34
	04912-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.56	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04913-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.46	0.54	34
	04914-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.48	35
	04915-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	34
	04916-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.39	35
	04917-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.20	0.38	34
	04918-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.49	35
	04919-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	35
	04920-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.45	35
	04921-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	35
	04922-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.48	35
	04923-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	35
	04924-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.56	35
	04925-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.46	0.54	34
	04926-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.48	35
	04927-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	35
	04928-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.39	35
	04929-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.38	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04930-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.57	34
	04931-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.27	0.48	35
	04932-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.19	0.28	35
	04933-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.45	35
	04934-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.43	0.54	34
	04935-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	34
	04936-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.44	34
	04937-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.55	35
	04938-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.45	0.54	34
	04939-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.48	35
	04940-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.24	0.46	34
	04941-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	35
	04942-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.37	34
	04943-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	35
	04944-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35
	04945-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.45	35
	04946-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.44	0.54	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04947-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	35
	04948-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	35
	04949-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	35
	04950-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	34
	04951-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.48	35
	04952-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	35
	04953-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	35
	04954-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	35
	04955-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	33
	04956-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.49	34
	04957-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.28	34
	04958-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	34
	04959-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	33
	04960-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.48	33
	04961-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	33
	04962-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.55	34
	04963-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04964-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.48	34
	04965-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	33
	04966-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	34
	04967-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	33
	04968-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	34
	04969-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	34
	04970-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	34
	04971-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.54	33
	04972-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.48	33
	04973-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	04974-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.55	34
	04975-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.46	0.54	33
	04976-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.48	34
	04977-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	33
	04978-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	34
	04979-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	33
	04980-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.54	0.57	33

NFRC Product Certification Authorization Report

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Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04981-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	34
	04982-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.28	34
	04983-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	34
	04984-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.43	0.53	33
	04985-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	33
	04986-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	33
	04987-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.46	0.55	34
	04988-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	33
	04989-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	34
	04990-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	33
	04991-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	34
	04992-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	33
	04993-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.48	34
	04994-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	34
	04995-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	34
	04996-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.53	34
	04997-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.25	0.47	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
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City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	04998-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	04999-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.55	34
	05000-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.54	34
	05001-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	34
	05002-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	34
	05003-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	34
	05004-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	34
	05005-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.56	0.58	34
	05006-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.27	0.49	35
	05007-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.19	0.28	35
	05008-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	35
	05009-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	34
	05010-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.48	34
	05011-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	34
	05012-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.56	35
	05013-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.46	0.54	34
	05014-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.48	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05015-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	34
	05016-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.39	35
	05017-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.20	0.38	34
	05018-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	35
	05019-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	35
	05020-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.45	35
	05021-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.54	34
	05022-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.48	34
	05023-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	05024-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.56	35
	05025-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.46	0.54	34
	05026-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.48	35
	05027-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	34
	05028-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.39	35
	05029-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.38	34
	05030-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.57	34
	05031-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.27	0.48	35

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Product Type: VSSH
Air Leakage:

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Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05032-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.19	0.28	35
	05033-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.45	35
	05034-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.43	0.54	34
	05035-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.47	34
	05036-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.44	34
	05037-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.47	0.55	35
	05038-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.45	0.54	34
	05039-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.48	35
	05040-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.24	0.46	34
	05041-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.38	35
	05042-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.37	34
	05043-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	35
	05044-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.28	35
	05045-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.45	35
	05046-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.44	0.54	34
	05047-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	34
	05048-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05049-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	35
	05050-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.45	0.54	34
	05051-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.48	35
	05052-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	34
	05053-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	35
	05054-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.37	34
	05055-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	34
	05056-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.49	34
	05057-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.28	34
	05058-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	35
	05059-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	34
	05060-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.48	34
	05061-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	34
	05062-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	34
	05063-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.45	0.54	34
	05064-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.48	35
	05065-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05066-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	34
	05067-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	34
	05068-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.49	35
	05069-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	35
	05070-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	35
	05071-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	34
	05072-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.48	34
	05073-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	05074-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.55	35
	05075-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.46	0.54	34
	05076-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.48	35
	05077-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	34
	05078-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	35
	05079-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	34
	05080-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.46	0.54	0.57	34
	05081-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	35
	05082-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.28	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05083-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.45	35
	05084-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.43	0.53	34
	05085-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	34
	05086-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	34
	05087-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.46	0.55	35
	05088-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.45	0.54	34
	05089-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	35
	05090-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	34
	05091-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	35
	05092-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	34
	05093-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	35
	05094-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	35
	05095-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	35
	05096-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.53	34
	05097-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.25	0.47	34
	05098-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	34
	05099-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.55	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05100-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.54	34
	05101-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	35
	05102-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	34
	05103-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	35
	05104-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	34
	05105-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.58	34
	05106-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.27	0.49	35
	05107-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.19	0.28	35
	05108-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	35
	05109-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	35
	05110-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.48	35
	05111-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	35
	05112-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.56	35
	05113-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.46	0.54	34
	05114-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.48	35
	05115-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	35
	05116-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.39	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05117-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.20	0.38	35
	05118-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.49	35
	05119-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	35
	05120-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.45	35
	05121-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	35
	05122-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.48	35
	05123-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	35
	05124-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.56	35
	05125-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.46	0.54	35
	05126-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.48	35
	05127-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	35
	05128-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.39	35
	05129-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.38	35
	05130-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.57	34
	05131-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.27	0.48	35
	05132-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.19	0.28	35
	05133-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.45	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05134-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.43	0.54	34
	05135-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	34
	05136-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.44	35
	05137-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.47	0.55	35
	05138-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.45	0.54	34
	05139-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.48	35
	05140-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.24	0.46	34
	05141-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	35
	05142-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.37	34
	05143-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	35
	05144-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.28	35
	05145-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.45	35
	05146-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.44	0.54	35
	05147-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	35
	05148-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	35
	05149-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.47	0.55	35
	05150-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.54	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05151-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.48	35
	05152-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	35
	05153-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	35
	05154-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	35
	05155-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	32
	05156-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	33
	05157-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	33
	05158-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	33
	05159-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.48	32
	05160-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	32
	05161-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.39	32
	05162-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	33
	05163-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	32
	05164-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	33
	05165-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	32
	05166-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	33
	05167-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	32

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05168-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	33
	05169-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.25	33
	05170-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.40	33
	05171-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.48	32
	05172-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	32
	05173-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	32
	05174-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	33
	05175-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.48	32
	05176-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	33
	05177-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	32
	05178-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	33
	05179-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	32
	05180-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	32
	05181-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	33
	05182-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	33
	05183-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.39	33
	05184-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.47	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05185-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	33
	05186-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.38	33
	05187-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.41	0.49	33
	05188-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.40	0.47	32
	05189-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.42	33
	05190-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	33
	05191-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	33
	05192-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	33
	05193-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	33
	05194-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	33
	05195-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.39	33
	05196-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	33
	05197-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	33
	05198-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.38	33
	05199-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.41	0.49	33
	05200-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.47	33
	05201-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05202-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	33
	05203-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	33
	05204-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.33	33
	05205-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	33
	05206-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	34
	05207-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.17	0.25	34
	05208-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.40	34
	05209-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	33
	05210-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.23	0.42	33
	05211-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.39	33
	05212-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.42	0.49	34
	05213-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	33
	05214-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.42	34
	05215-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.22	0.41	33
	05216-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	34
	05217-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.18	0.33	33
	05218-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.24	0.43	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05219-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.17	0.25	34
	05220-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.40	34
	05221-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.48	34
	05222-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.23	0.42	34
	05223-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	34
	05224-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	34
	05225-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.41	0.48	33
	05226-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	34
	05227-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.41	34
	05228-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	34
	05229-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.33	34
	05230-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.49	0.49	0.50	33
	05231-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.24	0.43	34
	05232-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.17	0.25	34
	05233-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.40	34
	05234-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.39	0.47	33
	05235-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	33

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05236-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.39	33
	05237-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.42	0.49	34
	05238-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.40	0.48	33
	05239-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.23	0.42	34
	05240-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.22	0.41	33
	05241-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.18	0.34	34
	05242-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.33	33
	05243-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.24	0.43	34
	05244-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.17	0.25	34
	05245-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.40	34
	05246-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.39	0.47	34
	05247-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	34
	05248-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.39	34
	05249-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.33	0.42	0.49	34
	05250-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.40	0.48	34
	05251-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.22	0.42	34
	05252-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.41	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
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Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05253-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.18	0.34	34
	05254-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.33	34
	05255-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	33
	05256-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	34
	05257-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.25	34
	05258-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	34
	05259-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.48	34
	05260-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	34
	05261-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	34
	05262-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	34
	05263-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.41	0.48	33
	05264-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	34
	05265-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	34
	05266-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	34
	05267-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	34
	05268-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.43	34
	05269-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.25	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05270-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.40	34
	05271-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.48	34
	05272-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	34
	05273-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	34
	05274-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	34
	05275-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	34
	05276-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	34
	05277-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	34
	05278-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	34
	05279-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	34
	05280-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.48	0.50	34
	05281-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.43	34
	05282-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.24	34
	05283-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	34
	05284-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.47	34
	05285-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	34
	05286-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.38	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05287-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.41	0.49	34
	05288-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.47	34
	05289-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	34
	05290-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	34
	05291-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	34
	05292-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	34
	05293-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	35
	05294-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.24	35
	05295-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	35
	05296-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	34
	05297-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	34
	05298-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.38	34
	05299-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.41	0.49	35
	05300-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	34
	05301-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	35
	05302-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	34
	05303-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	35

NFRC Product Certification Authorization Report

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City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05304-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	34
	05305-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	34
	05306-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	35
	05307-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.25	35
	05308-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	35
	05309-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.48	34
	05310-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	34
	05311-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.18	0.39	34
	05312-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	35
	05313-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.41	0.48	34
	05314-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	35
	05315-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	34
	05316-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	35
	05317-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	34
	05318-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.24	0.43	35
	05319-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.25	35
	05320-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.40	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
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Initial Cert. Date: 07/22/2004
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05321-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.48	35
	05322-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	35
	05323-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	35
	05324-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	35
	05325-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	34
	05326-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	35
	05327-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	35
	05328-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	35
	05329-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.18	0.33	35
	05330-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	34
	05331-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	35
	05332-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.17	0.25	35
	05333-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.40	35
	05334-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.39	0.47	34
	05335-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	34
	05336-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	34
	05337-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	35

NFRC Product Certification Authorization Report

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Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05338-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.40	0.48	34
	05339-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	35
	05340-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.41	34
	05341-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	35
	05342-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.33	34
	05343-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.24	0.43	35
	05344-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.17	0.25	35
	05345-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	35
	05346-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.39	0.47	35
	05347-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	35
	05348-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	35
	05349-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	35
	05350-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.40	0.48	34
	05351-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	35
	05352-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	35
	05353-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	35
	05354-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.33	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05355-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	33
	05356-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	34
	05357-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.25	34
	05358-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	34
	05359-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.48	33
	05360-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	33
	05361-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	33
	05362-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	34
	05363-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.41	0.48	33
	05364-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	34
	05365-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	33
	05366-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	34
	05367-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	33
	05368-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.43	34
	05369-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.25	34
	05370-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.40	34
	05371-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.48	33

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Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05372-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	33
	05373-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	34
	05374-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	34
	05375-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	33
	05376-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	34
	05377-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	33
	05378-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	34
	05379-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	33
	05380-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.46	0.48	0.50	33
	05381-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.43	34
	05382-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	34
	05383-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.39	34
	05384-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.47	33
	05385-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	33
	05386-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.38	33
	05387-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.41	0.49	34
	05388-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.47	33

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Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05389-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	34
	05390-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	33
	05391-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	34
	05392-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	33
	05393-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.43	34
	05394-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.24	34
	05395-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	34
	05396-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	34
	05397-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	34
	05398-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.38	34
	05399-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.41	0.49	34
	05400-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	34
	05401-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	34
	05402-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	34
	05403-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	34
	05404-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	34
	05405-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	34

NFRC Product Certification Authorization Report

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Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05406-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	35
	05407-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.25	35
	05408-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	35
	05409-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	34
	05410-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	34
	05411-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.39	34
	05412-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	35
	05413-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.41	0.48	34
	05414-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	35
	05415-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	34
	05416-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	35
	05417-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	34
	05418-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.24	0.43	35
	05419-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.25	35
	05420-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.40	35
	05421-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.48	34
	05422-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05423-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	34
	05424-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	35
	05425-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	34
	05426-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	35
	05427-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	34
	05428-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	35
	05429-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.18	0.33	34
	05430-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	34
	05431-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.24	0.43	35
	05432-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.17	0.25	35
	05433-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.40	35
	05434-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.39	0.47	34
	05435-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	34
	05436-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	34
	05437-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.42	0.49	35
	05438-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.40	0.48	34
	05439-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05440-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.41	34
	05441-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	35
	05442-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.33	34
	05443-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.24	0.43	35
	05444-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.17	0.25	35
	05445-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.40	35
	05446-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.39	0.47	34
	05447-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	34
	05448-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	34
	05449-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	35
	05450-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.40	0.48	34
	05451-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.22	0.42	35
	05452-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.41	34
	05453-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	35
	05454-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.33	34
	05455-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	34
	05456-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05457-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.25	34
	05458-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	35
	05459-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.48	34
	05460-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	34
	05461-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	34
	05462-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	34
	05463-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.41	0.48	34
	05464-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	35
	05465-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	34
	05466-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	34
	05467-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.18	0.33	34
	05468-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	35
	05469-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.25	35
	05470-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.40	35
	05471-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.48	34
	05472-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	34
	05473-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05474-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	35
	05475-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	34
	05476-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	35
	05477-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	34
	05478-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	35
	05479-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	34
	05480-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.48	0.50	34
	05481-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.43	35
	05482-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.24	35
	05483-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	35
	05484-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.47	34
	05485-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	34
	05486-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.38	34
	05487-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.41	0.49	35
	05488-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	34
	05489-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	35
	05490-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	34

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05491-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	35
	05492-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.18	0.33	34
	05493-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	35
	05494-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.24	35
	05495-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	35
	05496-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	34
	05497-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	34
	05498-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.38	34
	05499-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.41	0.49	35
	05500-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	34
	05501-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	35
	05502-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	34
	05503-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	35
	05504-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	34
	05505-00001	150 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	34
	05506-00001	150 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	35
	05507-00001	150 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.25	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05508-00001	150 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	35
	05509-00001	150 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.48	35
	05510-00001	150 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	35
	05511-00001	150 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.18	0.39	35
	05512-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	35
	05513-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.41	0.48	34
	05514-00001	150 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	35
	05515-00001	150 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	35
	05516-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	35
	05517-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	35
	05518-00001	150 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.24	0.43	35
	05519-00001	150 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.25	35
	05520-00001	150 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.40	35
	05521-00001	150 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.48	35
	05522-00001	150 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	35
	05523-00001	150 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	35
	05524-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05525-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	35
	05526-00001	150 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	35
	05527-00001	150 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	35
	05528-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	35
	05529-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.18	0.33	35
	05530-00001	150 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	34
	05531-00001	150 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	35
	05532-00001	150 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.17	0.25	35
	05533-00001	150 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.40	35
	05534-00001	150 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.39	0.47	34
	05535-00001	150 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	34
	05536-00001	150 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	35
	05537-00001	150 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.42	0.49	35
	05538-00001	150 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.40	0.48	34
	05539-00001	150 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	35
	05540-00001	150 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.41	34
	05541-00001	150 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	35

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05542-00001	150 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.33	34
	05543-00001	150 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.24	0.43	35
	05544-00001	150 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.17	0.25	35
	05545-00001	150 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.40	35
	05546-00001	150 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.39	0.47	35
	05547-00001	150 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	35
	05548-00001	150 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	35
	05549-00001	150 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.42	0.49	35
	05550-00001	150 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.40	0.48	35
	05551-00001	150 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	35
	05552-00001	150 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	35
	05553-00001	150 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	35
	05554-00001	150 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.33	35
	05555-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	N		CL	0.46	0.61	0.64	54
	05555-00002	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.46	0.55	0.57	54
	05556-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.29	0.54	59
	05556-00002	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.26	0.48	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05557-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	59
	05557-00002	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.28	59
	05558-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.50	59
	05558-00002	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.45	59
	05559-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.49	0.60	51
	05559-00002	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.44	0.53	51
	05560-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.28	0.53	51
	05560-00002	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.26	0.47	51
	05561-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.49	51
	05561-00002	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.44	51
	05562-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.52	0.62	59
	05562-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.47	0.55	59
	05563-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	50
	05563-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.53	50
	05564-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.32	0.27	0.53	59
	05564-00002	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.47	59
	05565-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.27	0.51	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05565-00002	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	51
	05566-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.22	0.43	59
	05566-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.20	0.38	59
	05567-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.21	0.42	51
	05567-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.19	0.37	51
	05568-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.29	0.54	60
	05568-00002	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.48	60
	05569-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.20	0.31	60
	05569-00002	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.18	0.28	60
	05570-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	60
	05570-00002	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.45	60
	05571-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.49	0.60	52
	05571-00002	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.44	0.53	52
	05572-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.28	0.53	53
	05572-00002	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.26	0.47	53
	05573-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.49	53
	05573-00002	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.44	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05574-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.31	0.52	0.62	60
	05574-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.31	0.47	0.55	60
	05575-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.51	0.60	52
	05575-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.45	0.53	52
	05576-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	60
	05576-00002	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	60
	05577-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.27	0.51	53
	05577-00002	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	53
	05578-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	60
	05578-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	60
	05579-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.42	53
	05579-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	53
	05580-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	N		CL	0.46	0.60	0.63	54
	05580-00002	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.46	0.54	0.56	54
	05581-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	60
	05581-00002	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	60
	05582-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.33	0.20	0.31	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05582-00002	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.18	0.27	60
	05583-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.50	60
	05583-00002	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.44	60
	05584-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.48	0.59	50
	05584-00002	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.43	0.53	50
	05585-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.28	0.52	51
	05585-00002	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.25	0.47	51
	05586-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.49	51
	05586-00002	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.43	51
	05587-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.34	0.51	0.61	59
	05587-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.34	0.46	0.55	59
	05588-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	50
	05588-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.53	50
	05589-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.32	0.27	0.53	60
	05589-00002	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.47	60
	05590-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.27	0.51	51
	05590-00002	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05591-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	60
	05591-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	60
	05592-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.41	50
	05592-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	50
	05593-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.29	0.54	60
	05593-00002	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.26	0.48	60
	05594-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	60
	05594-00002	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.27	60
	05595-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.21	0.50	60
	05595-00002	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.19	0.44	60
	05596-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.48	0.59	52
	05596-00002	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.43	0.53	52
	05597-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.28	0.52	53
	05597-00002	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.25	0.47	53
	05598-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	53
	05598-00002	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.43	53
	05599-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.30	0.51	0.61	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
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Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05599-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.46	0.55	60
	05600-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.26	0.50	0.60	52
	05600-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.26	0.45	0.53	52
	05601-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.27	0.53	60
	05601-00002	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.25	0.47	60
	05602-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.27	0.51	53
	05602-00002	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.24	0.46	53
	05603-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.29	0.22	0.43	60
	05603-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.20	0.38	60
	05604-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	N		CL	0.25	0.21	0.41	53
	05604-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.19	0.37	53
	05605-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	N		CL	0.45	0.61	0.64	55
	05605-00002	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.45	0.55	0.57	55
	05606-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.29	0.54	61
	05606-00002	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.26	0.48	61
	05607-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	61
	05607-00002	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05608-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	61
	05608-00002	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.19	0.45	61
	05609-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.49	0.60	52
	05609-00002	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.53	52
	05610-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.28	0.53	53
	05610-00002	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.26	0.47	53
	05611-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	53
	05611-00002	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	53
	05612-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	61
	05612-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.47	0.55	61
	05613-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.50	0.60	52
	05613-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.45	0.53	52
	05614-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.27	0.53	61
	05614-00002	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.25	0.47	61
	05615-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.27	0.51	52
	05615-00002	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.24	0.46	52
	05616-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.43	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05616-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.38	61
	05617-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	52
	05617-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	52
	05618-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	61
	05618-00002	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	61
	05619-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.20	0.31	61
	05619-00002	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.18	0.28	61
	05620-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.21	0.50	61
	05620-00002	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	61
	05621-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.49	0.60	54
	05621-00002	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.53	54
	05622-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	55
	05622-00002	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.26	0.47	55
	05623-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	55
	05623-00002	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	55
	05624-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.52	0.62	61
	05624-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.47	0.55	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05625-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.51	0.60	54
	05625-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.45	0.53	54
	05626-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	61
	05626-00002	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.47	61
	05627-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.27	0.51	55
	05627-00002	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	55
	05628-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	61
	05628-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	61
	05629-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.42	55
	05629-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	55
	05630-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	N		CL	0.45	0.60	0.63	55
	05630-00002	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.45	0.54	0.56	55
	05631-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.29	0.54	61
	05631-00002	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.26	0.48	61
	05632-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	61
	05632-00002	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.27	61
	05633-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05633-00002	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.44	61
	05634-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.48	0.59	52
	05634-00002	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.43	0.53	52
	05635-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.28	0.52	53
	05635-00002	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.25	0.47	53
	05636-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	53
	05636-00002	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.43	53
	05637-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.32	0.51	0.61	61
	05637-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.46	0.55	61
	05638-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.50	0.60	52
	05638-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.53	52
	05639-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.27	0.53	61
	05639-00002	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.25	0.47	61
	05640-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.26	0.27	0.51	52
	05640-00002	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.24	0.46	52
	05641-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.43	61
	05641-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.38	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05642-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	N		CL	0.27	0.21	0.41	52
	05642-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	52
	05643-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	61
	05643-00002	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	61
	05644-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.20	0.31	61
	05644-00002	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.18	0.27	61
	05645-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.21	0.50	61
	05645-00002	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.44	61
	05646-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.48	0.59	54
	05646-00002	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.43	0.53	54
	05647-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.52	55
	05647-00002	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.25	0.47	55
	05648-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.23	0.21	0.49	55
	05648-00002	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.23	0.19	0.43	55
	05649-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.29	0.51	0.61	61
	05649-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.46	0.55	61
	05650-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.25	0.50	0.60	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05650-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.45	0.53	54
	05651-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.27	0.27	0.53	61
	05651-00002	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.47	61
	05652-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.26	0.51	55
	05652-00002	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	55
	05653-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	61
	05653-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	61
	05654-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.41	54
	05654-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	54
	05655-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	N		CL	0.45	0.61	0.64	55
	05655-00002	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.45	0.55	0.57	55
	05656-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	60
	05656-00002	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	60
	05657-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	60
	05657-00002	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	60
	05658-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	60
	05658-00002	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.19	0.45	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05659-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.49	0.60	52
	05659-00002	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.53	52
	05660-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.26	0.28	0.53	52
	05660-00002	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.26	0.26	0.47	52
	05661-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	52
	05661-00002	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	52
	05662-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	60
	05662-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.47	0.55	60
	05663-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	51
	05663-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.45	0.53	51
	05664-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.27	0.53	60
	05664-00002	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.25	0.47	60
	05665-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.27	0.51	52
	05665-00002	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	52
	05666-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.22	0.43	60
	05666-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.20	0.38	60
	05667-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.42	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05667-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	52
	05668-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	61
	05668-00002	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	61
	05669-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	61
	05669-00002	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.28	61
	05670-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.21	0.50	61
	05670-00002	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.45	61
	05671-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.49	0.60	54
	05671-00002	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.44	0.53	54
	05672-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	54
	05672-00002	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.26	0.47	54
	05673-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	54
	05673-00002	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.44	54
	05674-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.30	0.52	0.62	61
	05674-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.30	0.47	0.55	61
	05675-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.51	0.60	53
	05675-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.45	0.53	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05676-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	61
	05676-00002	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.47	61
	05677-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.27	0.51	54
	05677-00002	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	54
	05678-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	61
	05678-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	61
	05679-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.42	54
	05679-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	54
	05680-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	N		CL	0.45	0.60	0.63	55
	05680-00002	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.45	0.54	0.56	55
	05681-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.29	0.54	60
	05681-00002	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.26	0.48	60
	05682-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	60
	05682-00002	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.27	60
	05683-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	60
	05683-00002	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.44	60
	05684-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.48	0.59	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05684-00002	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.43	0.53	51
	05685-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.26	0.28	0.52	52
	05685-00002	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.26	0.25	0.47	52
	05686-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	52
	05686-00002	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.43	52
	05687-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.33	0.51	0.61	60
	05687-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.33	0.46	0.55	60
	05688-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.28	0.50	0.60	51
	05688-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.28	0.44	0.53	51
	05689-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.27	0.53	60
	05689-00002	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.25	0.47	60
	05690-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.27	0.51	52
	05690-00002	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.24	0.46	52
	05691-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.31	0.22	0.43	60
	05691-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.38	60
	05692-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	N		CL	0.27	0.21	0.41	52
	05692-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	G	0.75	CL	0.27	0.19	0.37	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05693-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	61
	05693-00002	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	61
	05694-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.20	0.31	61
	05694-00002	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.18	0.27	61
	05695-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.21	0.50	61
	05695-00002	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.19	0.44	61
	05696-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.48	0.59	53
	05696-00002	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.43	0.53	53
	05697-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.28	0.52	54
	05697-00002	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.25	0.47	54
	05698-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.49	54
	05698-00002	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.43	54
	05699-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.29	0.51	0.61	61
	05699-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.29	0.46	0.55	61
	05700-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.25	0.50	0.60	53
	05700-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.25	0.45	0.53	53
	05701-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05701-00002	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.24	0.47	61
	05702-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.26	0.51	54
	05702-00002	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	54
	05703-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	61
	05703-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	61
	05704-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	N		CL	0.24	0.21	0.41	54
	05704-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	54
	05705-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.45	0.61	0.64	55
	05705-00002	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.45	0.55	0.57	55
	05706-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.29	0.54	61
	05706-00002	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.26	0.48	61
	05707-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.20	0.31	61
	05707-00002	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.18	0.28	61
	05708-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.21	0.50	61
	05708-00002	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.19	0.45	61
	05709-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.49	0.60	52
	05709-00002	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.53	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05710-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.28	0.53	53
	05710-00002	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.26	0.47	53
	05711-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	53
	05711-00002	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.44	53
	05712-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.33	0.52	0.62	61
	05712-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.33	0.47	0.55	61
	05713-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.50	0.60	51
	05713-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.45	0.53	51
	05714-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.27	0.53	61
	05714-00002	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.25	0.47	61
	05715-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.27	0.51	52
	05715-00002	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.24	0.46	52
	05716-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.43	61
	05716-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.38	61
	05717-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.42	52
	05717-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.37	52
	05718-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05718-00002	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	61
	05719-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.20	0.31	61
	05719-00002	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.18	0.28	61
	05720-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.21	0.50	61
	05720-00002	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.45	61
	05721-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.49	0.60	54
	05721-00002	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.44	0.53	54
	05722-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.53	55
	05722-00002	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.25	0.47	55
	05723-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.23	0.21	0.49	55
	05723-00002	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.23	0.19	0.44	55
	05724-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.52	0.62	61
	05724-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.47	0.55	61
	05725-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.51	0.60	53
	05725-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.45	0.53	53
	05726-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.27	0.53	61
	05726-00002	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.25	0.47	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05727-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.27	0.51	55
	05727-00002	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	55
	05728-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	61
	05728-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	61
	05729-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.42	54
	05729-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	54
	05730-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.45	0.60	0.63	55
	05730-00002	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.45	0.54	0.56	55
	05731-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.29	0.54	61
	05731-00002	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.26	0.48	61
	05732-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.20	0.31	61
	05732-00002	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.18	0.27	61
	05733-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.50	61
	05733-00002	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.44	61
	05734-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.48	0.59	52
	05734-00002	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.43	0.53	52
	05735-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.28	0.52	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05735-00002	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.25	0.47	52
	05736-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.49	53
	05736-00002	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.43	53
	05737-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.32	0.51	0.61	61
	05737-00002	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.32	0.46	0.55	61
	05738-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.27	0.50	0.60	51
	05738-00002	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.27	0.44	0.53	51
	05739-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.27	0.53	61
	05739-00002	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.25	0.47	61
	05740-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.27	0.51	52
	05740-00002	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.24	0.46	52
	05741-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.31	0.22	0.43	61
	05741-00002	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.31	0.20	0.38	61
	05742-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	N		CL	0.26	0.21	0.41	52
	05742-00002	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	G	0.75	CL	0.26	0.19	0.37	52
	05743-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.29	0.54	61
	05743-00002	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.26	0.48	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05744-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.20	0.31	61
	05744-00002	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.18	0.27	61
	05745-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.21	0.50	61
	05745-00002	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.19	0.44	61
	05746-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.48	0.59	54
	05746-00002	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.43	0.53	54
	05747-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.28	0.52	55
	05747-00002	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.25	0.47	55
	05748-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.23	0.21	0.49	55
	05748-00002	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.23	0.19	0.43	55
	05749-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.29	0.51	0.61	61
	05749-00002	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.29	0.46	0.55	61
	05750-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.25	0.50	0.60	53
	05750-00002	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.25	0.45	0.53	53
	05751-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.27	0.27	0.53	61
	05751-00002	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.27	0.24	0.47	61
	05752-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.26	0.51	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
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Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05752-00002	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.24	0.46	54
	05753-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.28	0.22	0.43	61
	05753-00002	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.28	0.20	0.38	61
	05754-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	N		CL	0.24	0.21	0.41	54
	05754-00002	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	G	0.75	CL	0.24	0.19	0.37	54
	05755-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	54
	05756-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.48	59
	05757-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.28	59
	05758-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	59
	05759-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.53	51
	05760-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	51
	05761-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	51
	05762-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.55	59
	05763-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.53	50
	05764-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	59
	05765-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	51
	05766-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05767-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	51
	05768-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.48	60
	05769-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.18	0.28	60
	05770-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.45	60
	05771-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.53	52
	05772-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.47	53
	05773-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.44	53
	05774-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.47	0.55	60
	05775-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.53	52
	05776-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	60
	05777-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	53
	05778-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	60
	05779-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	53
	05780-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.54	0.56	54
	05781-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	60
	05782-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.18	0.27	60
	05783-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.44	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05784-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.43	0.53	50
	05785-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.25	0.47	51
	05786-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.43	51
	05787-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.46	0.55	59
	05788-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.53	50
	05789-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	60
	05790-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	51
	05791-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	60
	05792-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.37	50
	05793-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.48	60
	05794-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.27	60
	05795-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.44	60
	05796-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.43	0.53	52
	05797-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.25	0.47	53
	05798-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.43	53
	05799-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.55	60
	05800-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.53	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05801-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.25	0.47	60
	05802-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	53
	05803-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	60
	05804-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	53
	05805-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.47	0.55	0.57	54
	05806-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.26	0.49	60
	05807-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.19	0.28	60
	05808-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	60
	05809-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.44	0.54	50
	05810-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.26	0.47	51
	05811-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.19	0.44	51
	05812-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.34	0.47	0.55	60
	05813-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	50
	05814-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.25	0.47	60
	05815-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	51
	05816-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.20	0.38	60
	05817-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.20	0.37	50

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05818-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.26	0.49	60
	05819-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	60
	05820-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	60
	05821-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.44	0.54	52
	05822-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.26	0.47	53
	05823-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	53
	05824-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.55	60
	05825-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.54	52
	05826-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	60
	05827-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.24	0.46	53
	05828-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.20	0.38	60
	05829-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	53
	05830-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.56	54
	05831-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.26	0.48	60
	05832-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.19	0.27	60
	05833-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.44	60
	05834-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.43	0.53	50

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05835-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	51
	05836-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.43	51
	05837-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.37	0.46	0.55	60
	05838-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.45	0.53	50
	05839-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.47	60
	05840-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.24	0.46	50
	05841-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.20	0.38	60
	05842-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.37	50
	05843-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	60
	05844-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.18	0.27	60
	05845-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.44	60
	05846-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.43	0.53	52
	05847-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	53
	05848-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.43	53
	05849-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.33	0.46	0.55	60
	05850-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.45	0.53	52
	05851-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.25	0.47	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05852-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	53
	05853-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.20	0.38	60
	05854-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.19	0.37	53
	05855-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.45	0.55	0.57	55
	05856-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	61
	05857-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.28	61
	05858-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.45	61
	05859-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.44	0.53	52
	05860-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	53
	05861-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.19	0.44	53
	05862-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	61
	05863-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.45	0.53	52
	05864-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	61
	05865-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	05866-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	61
	05867-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	52
	05868-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	61

NFRC Product Certification Authorization Report

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Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05869-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	61
	05870-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	61
	05871-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.53	54
	05872-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.47	55
	05873-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	55
	05874-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.47	0.55	61
	05875-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.45	0.53	54
	05876-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	61
	05877-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	55
	05878-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	05879-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	55
	05880-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.45	0.54	0.56	55
	05881-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	61
	05882-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.27	61
	05883-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.44	61
	05884-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.43	0.53	52
	05885-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.25	0.47	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
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Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05886-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.19	0.43	53
	05887-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.46	0.55	61
	05888-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.53	52
	05889-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	61
	05890-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	05891-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	61
	05892-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	52
	05893-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	61
	05894-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.18	0.27	61
	05895-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	61
	05896-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.43	0.53	54
	05897-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.25	0.47	55
	05898-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.24	0.19	0.43	55
	05899-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.55	61
	05900-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.45	0.53	54
	05901-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.47	61
	05902-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	55

NFRC Product Certification Authorization Report

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Product Series: 150/160 Single Hung
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Air Leakage:

Simulation Lab: SATI
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05903-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	05904-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	54
	05905-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	55
	05906-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.49	61
	05907-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.28	61
	05908-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.45	61
	05909-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	52
	05910-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	52
	05911-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	53
	05912-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	61
	05913-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	51
	05914-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	61
	05915-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	05916-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	61
	05917-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.20	0.37	52
	05918-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.49	61
	05919-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.18	0.28	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05920-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.45	61
	05921-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	54
	05922-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.47	55
	05923-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	55
	05924-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.47	0.55	61
	05925-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.45	0.54	54
	05926-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.25	0.47	61
	05927-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	55
	05928-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	05929-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	55
	05930-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.54	0.56	55
	05931-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.26	0.48	61
	05932-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.27	61
	05933-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.44	61
	05934-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.43	0.53	52
	05935-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	52
	05936-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.43	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05937-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.46	0.55	61
	05938-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.53	51
	05939-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.47	61
	05940-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	52
	05941-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	61
	05942-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	52
	05943-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	61
	05944-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.27	61
	05945-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.44	61
	05946-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.43	0.53	54
	05947-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.25	0.47	55
	05948-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.43	55
	05949-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.46	0.55	61
	05950-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.53	54
	05951-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	61
	05952-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	55
	05953-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05954-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	55
	05955-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	55
	05956-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	60
	05957-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.28	60
	05958-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.45	60
	05959-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.44	0.53	52
	05960-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	52
	05961-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	52
	05962-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	60
	05963-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.45	0.53	51
	05964-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	60
	05965-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	05966-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	60
	05967-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	52
	05968-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	61
	05969-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	61
	05970-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05971-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.53	54
	05972-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.47	54
	05973-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	54
	05974-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.47	0.55	61
	05975-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.53	53
	05976-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	61
	05977-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	54
	05978-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	05979-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.19	0.37	54
	05980-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.54	0.56	55
	05981-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.48	60
	05982-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.27	60
	05983-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.44	60
	05984-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.43	0.53	51
	05985-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.25	0.47	52
	05986-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.27	0.19	0.43	52
	05987-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.46	0.55	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	05988-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.53	51
	05989-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	60
	05990-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	05991-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	60
	05992-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	52
	05993-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	61
	05994-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.27	61
	05995-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.44	61
	05996-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.43	0.53	53
	05997-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.25	0.47	54
	05998-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.43	54
	05999-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.46	0.55	61
	06000-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.53	53
	06001-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.47	61
	06002-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	54
	06003-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	06004-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06005-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	55
	06006-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.49	61
	06007-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.19	0.28	61
	06008-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.45	61
	06009-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	51
	06010-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	52
	06011-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	52
	06012-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	61
	06013-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.30	0.45	0.54	51
	06014-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.25	0.47	61
	06015-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.24	0.46	51
	06016-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	61
	06017-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.29	0.20	0.37	51
	06018-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.49	61
	06019-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.18	0.28	61
	06020-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.45	61
	06021-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	53

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06022-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.47	54
	06023-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	54
	06024-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.47	0.55	61
	06025-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.45	0.54	53
	06026-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	61
	06027-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	54
	06028-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	06029-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	54
	06030-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.48	0.54	0.56	55
	06031-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.26	0.48	61
	06032-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.27	61
	06033-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.44	61
	06034-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.43	0.53	51
	06035-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	51
	06036-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.43	52
	06037-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.36	0.46	0.55	61
	06038-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.53	50

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06039-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.25	0.47	61
	06040-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	51
	06041-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	61
	06042-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	51
	06043-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.26	0.48	61
	06044-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.27	61
	06045-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.44	61
	06046-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.43	0.53	54
	06047-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.47	54
	06048-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.43	54
	06049-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.32	0.46	0.55	61
	06050-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.53	53
	06051-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	61
	06052-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	54
	06053-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	61
	06054-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	54
	06055-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.45	0.55	0.57	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06056-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	61
	06057-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.28	61
	06058-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.19	0.45	61
	06059-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.44	0.53	52
	06060-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.26	0.47	53
	06061-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.19	0.44	53
	06062-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	61
	06063-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.45	0.53	51
	06064-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	61
	06065-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	06066-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	61
	06067-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	52
	06068-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	61
	06069-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.18	0.28	61
	06070-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.45	61
	06071-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.53	54
	06072-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.25	0.47	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06073-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.24	0.19	0.44	55
	06074-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.47	0.55	61
	06075-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.45	0.53	53
	06076-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.25	0.47	61
	06077-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	55
	06078-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	06079-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	54
	06080-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.45	0.54	0.56	55
	06081-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.48	61
	06082-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.18	0.27	61
	06083-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.44	61
	06084-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.43	0.53	52
	06085-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.25	0.47	52
	06086-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.27	0.19	0.43	53
	06087-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.46	0.55	61
	06088-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.53	51
	06089-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06090-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	06091-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.38	61
	06092-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.37	52
	06093-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.48	61
	06094-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.18	0.27	61
	06095-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.44	61
	06096-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.43	0.53	54
	06097-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.25	0.47	55
	06098-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.24	0.19	0.43	55
	06099-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.46	0.55	61
	06100-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.45	0.53	53
	06101-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.24	0.47	61
	06102-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	54
	06103-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	06104-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	54
	06105-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.46	0.55	0.57	55
	06106-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.26	0.49	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06107-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.19	0.28	61
	06108-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.45	61
	06109-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.44	0.54	52
	06110-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.26	0.47	52
	06111-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.19	0.44	52
	06112-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.33	0.47	0.55	61
	06113-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.29	0.45	0.54	51
	06114-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.25	0.47	61
	06115-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.24	0.46	52
	06116-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.20	0.38	61
	06117-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.28	0.20	0.37	52
	06118-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.26	0.49	61
	06119-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.18	0.28	61
	06120-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.45	61
	06121-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.44	0.54	54
	06122-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.26	0.47	54
	06123-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.44	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06124-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.47	0.55	61
	06125-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.26	0.45	0.54	53
	06126-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.25	0.47	61
	06127-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.24	0.46	54
	06128-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.20	0.38	61
	06129-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.25	0.19	0.37	54
	06130-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.47	0.54	0.56	55
	06131-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.26	0.48	61
	06132-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.19	0.27	61
	06133-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.20	0.44	61
	06134-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.43	0.53	51
	06135-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.26	0.47	52
	06136-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.30	0.19	0.43	52
	06137-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.36	0.46	0.55	61
	06138-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.32	0.45	0.53	51
	06139-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.34	0.25	0.47	61
	06140-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.24	0.46	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06141-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.35	0.20	0.38	61
	06142-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	0.75	CL	0.31	0.20	0.37	52
	06143-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.26	0.48	61
	06144-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.31	0.18	0.27	61
	06145-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.44	61
	06146-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.43	0.53	54
	06147-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.25	0.47	55
	06148-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.27	0.19	0.43	55
	06149-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.32	0.46	0.55	61
	06150-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.29	0.45	0.53	53
	06151-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.25	0.47	61
	06152-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.24	0.46	54
	06153-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.30	0.20	0.38	61
	06154-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	0.75	CL	0.28	0.19	0.37	54
	06155-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.50	54
	06156-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.23	0.43	59
	06157-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	59

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06158-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	59
	06159-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.47	51
	06160-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	51
	06161-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	51
	06162-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	59
	06163-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.47	50
	06164-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	59
	06165-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	51
	06166-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	59
	06167-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.33	51
	06168-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.43	60
	06169-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.16	0.24	60
	06170-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.40	60
	06171-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	52
	06172-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	53
	06173-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.39	53
	06174-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.42	0.49	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc. **Product Series:** 150/160 Single Hung **Simulation Lab:** SATI **Initial Cert. Date:** 07/22/2004

Street: 300 Welcome Center Blvd. **Product Type:** VSSH **Sim. Report #:** T3857.01-116-45 R0 **Re-Certification Date:** 04/30/2026

City/State/Zip: Welcome, NC 27374 **Air Leakage:** **Sim. Report Date:** 02/24/2026 **Revised Date:** 01/01/1970

Print Date: 04/30/2026 **Test Date:** 02/25/2026 **Expiration Date:** 03/22/2031

CPD Number: ADW-M-383 **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06175-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.40	0.47	52
	06176-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	60
	06177-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	53
	06178-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	60
	06179-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	53
	06180-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.46	0.48	0.50	54
	06181-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	60
	06182-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.24	60
	06183-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.39	60
	06184-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.38	0.47	50
	06185-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.41	51
	06186-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.38	51
	06187-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.41	0.48	59
	06188-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.47	50
	06189-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	60
	06190-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.40	51
	06191-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06192-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.33	50
	06193-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.42	60
	06194-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.24	60
	06195-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	60
	06196-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.47	52
	06197-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.41	53
	06198-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.38	53
	06199-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.41	0.48	60
	06200-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	52
	06201-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.42	60
	06202-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.40	53
	06203-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	60
	06204-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	53
	06205-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.47	0.49	0.51	54
	06206-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.24	0.43	60
	06207-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.17	0.25	60
	06208-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	60

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
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Initial Cert. Date: 07/22/2004
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Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06209-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.39	0.48	50
	06210-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.23	0.42	51
	06211-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.17	0.39	51
	06212-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.34	0.42	0.49	60
	06213-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	50
	06214-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	60
	06215-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	51
	06216-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.18	0.34	60
	06217-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	50
	06218-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.23	0.43	60
	06219-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.25	60
	06220-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.40	60
	06221-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.39	0.48	52
	06222-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.23	0.42	53
	06223-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	53
	06224-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	60
	06225-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06226-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	60
	06227-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.22	0.41	53
	06228-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.18	0.34	60
	06229-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	53
	06230-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	54
	06231-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.24	0.43	60
	06232-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.17	0.24	60
	06233-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.39	60
	06234-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.38	0.47	50
	06235-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	51
	06236-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.17	0.38	51
	06237-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.37	0.41	0.49	60
	06238-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.40	0.47	50
	06239-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	60
	06240-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.41	50
	06241-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	60
	06242-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.33	50

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06243-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.23	0.43	60
	06244-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.17	0.24	60
	06245-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.39	60
	06246-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.39	0.47	52
	06247-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	53
	06248-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.38	53
	06249-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.41	0.49	60
	06250-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.40	0.47	52
	06251-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.22	0.42	60
	06252-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.22	0.41	53
	06253-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.18	0.34	60
	06254-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	CU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.17	0.33	53
	06255-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.45	0.49	0.50	55
	06256-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.43	61
	06257-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.16	0.24	61
	06258-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.40	61
	06259-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.39	0.47	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06260-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	53
	06261-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.27	0.17	0.39	53
	06262-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	61
	06263-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	52
	06264-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	61
	06265-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	52
	06266-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.34	61
	06267-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.33	52
	06268-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	61
	06269-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.24	61
	06270-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.40	61
	06271-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	54
	06272-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	55
	06273-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	55
	06274-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.42	0.49	61
	06275-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	54
	06276-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06277-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	55
	06278-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06279-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	55
	06280-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.45	0.48	0.50	55
	06281-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	61
	06282-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.24	61
	06283-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	61
	06284-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.38	0.47	52
	06285-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.41	53
	06286-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.27	0.17	0.38	53
	06287-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	61
	06288-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	52
	06289-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	61
	06290-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.40	52
	06291-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.34	61
	06292-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.33	52
	06293-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06294-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.24	61
	06295-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	61
	06296-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	54
	06297-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.41	55
	06298-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.38	55
	06299-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	61
	06300-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.47	54
	06301-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.42	61
	06302-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.21	0.40	55
	06303-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06304-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	54
	06305-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	55
	06306-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	61
	06307-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.25	61
	06308-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.40	61
	06309-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.48	52
	06310-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06311-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	53
	06312-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	61
	06313-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	51
	06314-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	61
	06315-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	52
	06316-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	61
	06317-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	52
	06318-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	61
	06319-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.25	61
	06320-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.40	61
	06321-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.48	54
	06322-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	55
	06323-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	55
	06324-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.42	0.49	61
	06325-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	54
	06326-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.42	61
	06327-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06328-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06329-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	55
	06330-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	55
	06331-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	61
	06332-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.24	61
	06333-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.39	61
	06334-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.38	0.47	52
	06335-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	52
	06336-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.17	0.38	52
	06337-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.41	0.49	61
	06338-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	51
	06339-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	61
	06340-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	52
	06341-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	61
	06342-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	52
	06343-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	61
	06344-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06345-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	61
	06346-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	54
	06347-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	55
	06348-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	55
	06349-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.41	0.49	61
	06350-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	54
	06351-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	61
	06352-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	55
	06353-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	61
	06354-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	P2-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	55
	06355-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.45	0.49	0.50	55
	06356-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.43	60
	06357-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.16	0.24	60
	06358-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.40	60
	06359-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.47	52
	06360-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	52
	06361-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	52

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06362-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	60
	06363-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	51
	06364-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	60
	06365-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	52
	06366-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	60
	06367-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.33	52
	06368-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	61
	06369-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.24	61
	06370-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.40	61
	06371-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	54
	06372-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	54
	06373-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	54
	06374-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.42	0.49	61
	06375-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	53
	06376-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	61
	06377-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	54
	06378-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06379-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	54
	06380-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.45	0.48	0.50	55
	06381-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.23	0.42	60
	06382-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.24	60
	06383-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	60
	06384-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.38	0.47	51
	06385-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.41	52
	06386-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.38	52
	06387-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.41	0.48	60
	06388-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	51
	06389-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	60
	06390-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.40	52
	06391-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.34	60
	06392-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.33	52
	06393-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	61
	06394-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.16	0.24	61
	06395-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.39	61

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City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06396-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	53
	06397-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.41	54
	06398-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.38	54
	06399-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	61
	06400-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.40	0.47	53
	06401-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	61
	06402-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.21	0.40	54
	06403-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06404-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	54
	06405-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	55
	06406-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	61
	06407-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.25	61
	06408-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.40	61
	06409-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.48	51
	06410-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	52
	06411-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	52
	06412-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	61

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City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06413-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	51
	06414-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.22	0.42	61
	06415-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.22	0.41	51
	06416-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	61
	06417-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	51
	06418-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	61
	06419-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.25	61
	06420-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.40	61
	06421-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.48	53
	06422-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	54
	06423-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	54
	06424-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.42	0.49	61
	06425-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.41	0.48	53
	06426-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	61
	06427-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	54
	06428-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06429-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.26	0.17	0.33	54

NFRC Product Certification Authorization Report

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Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
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CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06430-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.48	0.48	0.50	55
	06431-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	61
	06432-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.24	61
	06433-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.39	61
	06434-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.38	0.47	51
	06435-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	51
	06436-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.17	0.38	52
	06437-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.36	0.41	0.49	61
	06438-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	50
	06439-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.23	0.42	61
	06440-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	51
	06441-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	61
	06442-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.33	51
	06443-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	61
	06444-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	61
	06445-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	61
	06446-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.39	0.47	54

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06447-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	54
	06448-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	54
	06449-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.32	0.41	0.49	61
	06450-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	53
	06451-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	61
	06452-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	54
	06453-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	61
	06454-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	SU-D	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	54
	06455-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2		0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.45	0.49	0.50	55
	06456-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.43	61
	06457-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.16	0.24	61
	06458-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.40	61
	06459-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.39	0.47	52
	06460-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.27	0.23	0.42	53
	06461-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.27	0.17	0.39	53
	06462-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	61
	06463-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	51

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06464-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	61
	06465-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	52
	06466-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.34	61
	06467-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.33	52
	06468-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	61
	06469-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.051(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.24	61
	06470-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.40	61
	06471-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	54
	06472-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	55
	06473-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	55
	06474-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.42	0.49	61
	06475-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.47	53
	06476-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.42	61
	06477-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	55
	06478-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06479-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.563	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	54
	06480-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2		0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.45	0.48	0.50	55

NFRC Product Certification Authorization Report

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Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06481-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	61
	06482-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.24	61
	06483-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.39	61
	06484-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.38	0.47	52
	06485-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.27	0.23	0.41	52
	06486-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.27	0.17	0.38	53
	06487-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.41	0.48	61
	06488-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.40	0.47	51
	06489-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	61
	06490-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.40	52
	06491-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.34	61
	06492-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.33	52
	06493-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	61
	06494-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.051(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.24	61
	06495-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.39	61
	06496-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.068(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.47	54
	06497-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.035(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.41	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
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Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06498-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 3/4 IG	VF/VR	2	0.02(2), 0.149(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.24	0.17	0.38	55
	06499-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.41	0.48	61
	06500-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.082(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.40	0.47	53
	06501-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.42	61
	06502-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.025(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.21	0.40	54
	06503-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06504-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 3/4 IG	VF/VR	2	0.031(2), 0.198(4)	0.500	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	54
	06505-00001	160 SH | Foam: CLR / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2		0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.46	0.49	0.51	55
	06506-00001	160 SH | Foam: E270 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.24	0.43	61
	06507-00001	160 SH | Foam: E240 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.17	0.25	61
	06508-00001	160 SH | Foam: E366 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.40	61
	06509-00001	160 SH | Foam: E180 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.39	0.48	52
	06510-00001	160 SH | Foam: E270 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.23	0.42	52
	06511-00001	160 SH | Foam: E366 / AIR / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.17	0.39	52
	06512-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.33	0.42	0.49	61
	06513-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.30	0.40	0.48	51
	06514-00001	160 SH | Foam: CG70 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.42	61

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Simulation Lab: SATI
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Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06515-00001	160 SH | Foam: CG70 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.28	0.22	0.41	52
	06516-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.18	0.34	61
	06517-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.29	0.18	0.33	52
	06518-00001	160 SH | Foam: E270 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.43	61
	06519-00001	160 SH | Foam: E240 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.051(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.16	0.25	61
	06520-00001	160 SH | Foam: E366 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.18	0.40	61
	06521-00001	160 SH | Foam: E180 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.39	0.48	54
	06522-00001	160 SH | Foam: E270 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.23	0.42	54
	06523-00001	160 SH | Foam: E366 / ARG90 / i89 (2MM/2MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.39	55
	06524-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.42	0.49	61
	06525-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.26	0.41	0.48	53
	06526-00001	160 SH | Foam: CG70 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.22	0.42	61
	06527-00001	160 SH | Foam: CG70 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.22	0.41	54
	06528-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.18	0.34	61
	06529-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (2MM/2MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.438	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.25	0.17	0.33	54
	06530-00001	160 SH | Foam: CLR / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2		0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.47	0.48	0.50	55
	06531-00001	160 SH | Foam: E270 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.24	0.43	61

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06532-00001	160 SH | Foam: E240 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.17	0.24	61
	06533-00001	160 SH | Foam: E366 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.18	0.39	61
	06534-00001	160 SH | Foam: E180 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.38	0.47	51
	06535-00001	160 SH | Foam: E270 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.23	0.42	52
	06536-00001	160 SH | Foam: E366 / AIR / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.17	0.38	52
	06537-00001	160 SH | Foam: RLE 80/71 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.36	0.41	0.49	61
	06538-00001	160 SH | Foam: RLE 80/71 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.32	0.40	0.47	51
	06539-00001	160 SH | Foam: CG70 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.34	0.23	0.42	61
	06540-00001	160 SH | Foam: CG70 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.22	0.41	52
	06541-00001	160 SH | Foam: RLE 55/27 / AIR / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.35	0.18	0.34	61
	06542-00001	160 SH | Foam: RLE 55/27 / AIR / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: AIR (100)	W	1.50	CL	0.31	0.18	0.33	52
	06543-00001	160 SH | Foam: E270 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.23	0.43	61
	06544-00001	160 SH | Foam: E240 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.051(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.31	0.16	0.24	61
	06545-00001	160 SH | Foam: E366 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.39	61
	06546-00001	160 SH | Foam: E180 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.068(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.39	0.47	54
	06547-00001	160 SH | Foam: E270 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.035(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.23	0.42	55
	06548-00001	160 SH | Foam: E366 / ARG90 / i89 (3MM/3MM) - 5/8 IG	VF/VR	2	0.02(2), 0.149(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.27	0.17	0.38	55

NFRC Product Certification Authorization Report

Manufacturer: Atrium Companies, Inc.
Street: 300 Welcome Center Blvd.
City/State/Zip: Welcome, NC 27374
Print Date: 04/30/2026

Product Series: 150/160 Single Hung
Product Type: VSSH
Air Leakage:

Simulation Lab: SATI
Sim. Report #: T3857.01-116-45 R0
Sim. Report Date: 02/24/2026
Test Date: 02/25/2026

Initial Cert. Date: 07/22/2004
Re-Certification Date: 04/30/2026
Revised Date: 01/01/1970
Expiration Date: 03/22/2031

CPD Number: ADW-M-383 | **IA: National Accreditation And Management Institute**

Status	Product Num.	Manufacturer Code	Frame/ Sash	Glaz Lyrs	Low-E (Surface)	Gap Width(s)	Spacer	Gap Fill	Grids	Dividers	Tint	U-Factor	SHGC	VT	Cond. Index
	06549-00001	160 SH | Foam: RLE 80/71 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.32	0.41	0.49	61
	06550-00001	160 SH | Foam: RLE 80/71 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.082(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.29	0.40	0.47	53
	06551-00001	160 SH | Foam: CG70 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.22	0.42	61
	06552-00001	160 SH | Foam: CG70 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.025(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.22	0.41	54
	06553-00001	160 SH | Foam: RLE 55/27 / ARG90 / CLR (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.30	0.18	0.34	61
	06554-00001	160 SH | Foam: RLE 55/27 / ARG90 / IS20 (3MM/3MM) - 5/8 IG	VF/VR	2	0.031(2), 0.198(4)	0.375	ZF-S	Fill 1: ARG (90)	W	1.50	CL	0.28	0.17	0.33	54

Baseline Information

Test Lab	Test Date	Test Size	Tested U-Value	Standard U-Value	Test Report Number
TATI	**02/25/2026**	1200mm x 1499mm	0.321	0.315	T3858.01-116-46

Comments: N/A

I hereby certify that all requirements for NFRC Certification Authorization have been met and that the above information is true and correct, to the best of my knowledge.

Authorized IA Signature: