# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00101-00001 | Grids\| No Grids 3mm Clear/AIR/3mm Clear | AT/AT | 2 | | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.57 | 0.62 | 0.65 | 36 |
| | 00101-00002 | Grids\| No Grids 3mm Clear/AIR/3mm Clear | AT/AT | 2 | | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.57 | 0.54 | 0.57 | 36 |
| | 00102-00001 | Grids\| No Grids 5mm Clear/AIR/5mm Clear | AT/AT | 2 | | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.59 | 0.64 | 36 |
| | 00102-00002 | Grids\| No Grids 5mm Clear/AIR/5mm Clear | AT/AT | 2 | | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.52 | 0.56 | 36 |
| | 00103-00001 | Grids\| No Grids 6mm Clear/AIR/6mm Clear | AT/AT | 2 | | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.57 | 0.64 | 36 |
| | 00103-00002 | Grids\| No Grids 6mm Clear/AIR/6mm Clear | AT/AT | 2 | | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.51 | 0.56 | 36 |
| | 00104-00001 | Grids\| No Grids 3mm Solarban 60/AIR/3mm Clear | AT/AT | 2 | 0.035(2) | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.44 | 0.33 | 0.58 | 37 |
| | 00104-00002 | Grids\| No Grids 3mm Solarban 60/AIR/3mm Clear | AT/AT | 2 | 0.035(2) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.44 | 0.29 | 0.51 | 37 |
| | 00105-00001 | Grids\| No Grids 3mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.748 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.33 | 0.58 | 37 |
| | 00105-00002 | Grids\| No Grids 3mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.29 | 0.51 | 37 |
| | 00106-00001 | Grids\| No Grids 5mm Solarban 60/AIR/5mm Clear | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.57 | 37 |
| | 00106-00002 | Grids\| No Grids 5mm Solarban 60/AIR/5mm Clear | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.29 | 0.50 | 37 |
| | 00107-00001 | Grids\| No Grids 5mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00107-00002 | Grids\| No Grids 5mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00108-00001 | Grids\| No Grids 6mm Solarban 60/AIR/6mm Clear | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.57 | 37 |
| | 00108-00002 | Grids\| No Grids 6mm Solarban 60/AIR/6mm Clear | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.29 | 0.50 | 37 |

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**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00109-00001 | Grids\| No Grids 6mm Solarban 60/ARG/6mm Clear | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00109-00002 | Grids\| No Grids 6mm Solarban 60/ARG/6mm Clear | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00110-00001 | Grids\| No Grids 3mm Solarban 70/AIR/3mm Clear | AT/AT | 2 | 0.018(2) | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.22 | 0.51 | 37 |
| | 00110-00002 | Grids\| No Grids 3mm Solarban 70/AIR/3mm Clear | AT/AT | 2 | 0.018(2) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.20 | 0.44 | 37 |
| | 00111-00001 | Grids\| No Grids 3mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.748 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.22 | 0.51 | 37 |
| | 00111-00002 | Grids\| No Grids 3mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.20 | 0.44 | 37 |
| | 00112-00001 | Grids\| No Grids 5mm Solarban 70/AIR/5mm Clear | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.23 | 0.52 | 37 |
| | 00112-00002 | Grids\| No Grids 5mm Solarban 70/AIR/5mm Clear | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.20 | 0.46 | 37 |
| | 00113-00001 | Grids\| No Grids 5mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00113-00002 | Grids\| No Grids 5mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00114-00001 | Grids\| No Grids 6mm Solarban 70/AIR/6mm Clear | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.23 | 0.52 | 37 |
| | 00114-00002 | Grids\| No Grids 6mm Solarban 70/AIR/6mm Clear | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.45 | 37 |
| | 00115-00001 | Grids\| No Grids 6mm Solarban 70/ARG/6mm Clear | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00115-00002 | Grids\| No Grids 6mm Solarban 70/ARG/6mm Clear | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.45 | 37 |
| | 00116-00001 | Grids\| No Grids 3mm Clear/AIR/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.44 | 0.39 | 0.58 | 37 |
| | 00116-00002 | Grids\| No Grids 3mm Clear/AIR/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.44 | 0.35 | 0.51 | 37 |

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**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00117-00001 | Grids\| No Grids 3mm Clear/ARG/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.39 | 0.58 | 37 |
| | 00117-00002 | Grids\| No Grids 3mm Clear/ARG/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.35 | 0.51 | 37 |
| | 00118-00001 | Grids\| No Grids 5mm Clear/AIR/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.38 | 0.57 | 37 |
| | 00118-00002 | Grids\| No Grids 5mm Clear/AIR/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.34 | 0.50 | 37 |
| | 00119-00001 | Grids\| No Grids 5mm Clear/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.39 | 0.57 | 37 |
| | 00119-00002 | Grids\| No Grids 5mm Clear/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.34 | 0.50 | 37 |
| | 00120-00001 | Grids\| No Grids 6mm Clear/AIR/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.38 | 0.57 | 37 |
| | 00120-00002 | Grids\| No Grids 6mm Clear/AIR/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.34 | 0.50 | 37 |
| | 00121-00001 | Grids\| No Grids 6mm Clear/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.38 | 0.57 | 37 |
| | 00121-00002 | Grids\| No Grids 6mm Clear/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.34 | 0.50 | 37 |
| | 00122-00001 | Grids\| No Grids 3mm Clear/AIR/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.30 | 0.51 | 37 |
| | 00122-00002 | Grids\| No Grids 3mm Clear/AIR/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.27 | 0.44 | 37 |
| | 00123-00001 | Grids\| No Grids 3mm Clear/ARG/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.31 | 0.51 | 37 |
| | 00123-00002 | Grids\| No Grids 3mm Clear/ARG/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.27 | 0.44 | 37 |
| | 00124-00001 | Grids\| No Grids 5mm Clear/AIR/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.29 | 0.52 | 37 |
| | 00124-00002 | Grids\| No Grids 5mm Clear/AIR/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.26 | 0.46 | 37 |

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**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00125-00001 | Grids\| No Grids 5mm Clear/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.52 | 37 |
| | 00125-00002 | Grids\| No Grids 5mm Clear/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.46 | 37 |
| | 00126-00001 | Grids\| No Grids 6mm Clear/AIR/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.29 | 0.52 | 37 |
| | 00126-00002 | Grids\| No Grids 6mm Clear/AIR/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.26 | 0.45 | 37 |
| | 00127-00001 | Grids\| No Grids 6mm Clear/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.52 | 37 |
| | 00127-00002 | Grids\| No Grids 6mm Clear/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.45 | 37 |
| | 00128-00001 | Grids\| No Grids 3mm SunGuard SN 68/AIR/3mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.748 | TS-D | Fill 1: AIR (100) | N | | CL | 0.38 | 0.31 | 0.54 | 36 |
| | 00128-00002 | Grids\| No Grids 3mm SunGuard SN 68/AIR/3mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.748 | TS-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.38 | 0.27 | 0.47 | 36 |
| | 00129-00001 | Grids\| No Grids 3mm SunGuard SN 68/ARG/3mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.748 | TS-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.30 | 0.54 | 36 |
| | 00129-00002 | Grids\| No Grids 3mm SunGuard SN 68/ARG/3mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.748 | TS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.27 | 0.47 | 36 |
| | 00130-00001 | Grids\| No Grids 5mm SunGuard SN 68/AIR/5mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.591 | TS-D | Fill 1: AIR (100) | N | | CL | 0.38 | 0.30 | 0.53 | 36 |
| | 00130-00002 | Grids\| No Grids 5mm SunGuard SN 68/AIR/5mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.591 | TS-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.38 | 0.27 | 0.47 | 36 |
| | 00131-00001 | Grids\| No Grids 5mm SunGuard SN 68/ARG/5mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.591 | TS-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.30 | 0.53 | 36 |
| | 00131-00002 | Grids\| No Grids 5mm SunGuard SN 68/ARG/5mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.591 | TS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.27 | 0.47 | 36 |
| | 00132-00001 | Grids\| No Grids 6mm SunGuard SN 68/AIR/6mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.512 | TS-D | Fill 1: AIR (100) | N | | CL | 0.38 | 0.30 | 0.53 | 36 |
| | 00132-00002 | Grids\| No Grids 6mm SunGuard SN 68/AIR/6mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.512 | TS-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.38 | 0.27 | 0.46 | 36 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00133-00001 | Grids\| No Grids 6mm SunGuard SN 68/ARG/6mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.512 | TS-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.30 | 0.53 | 36 |
| | 00133-00002 | Grids\| No Grids 6mm SunGuard SN 68/ARG/6mm SunGuard IS 20 | AT/AT | 2 | 0.039(2), 0.198(4) | 0.512 | TS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.26 | 0.46 | 36 |
| | 00134-00001 | No Grids 3mm Solarban 60/AIR/3mm Clear/AIR/3mm Solarban 60 | AT/AT | 3 | 0.035(2), 0.035(5) | 0.315,0.315 | SU-D | Fill 1: AIR (100),Fill 2: AIR (100) | N | | CL | 0.36 | 0.28 | 0.47 | 37 |
| | 00135-00001 | No Grids 3mm Solarban 60/ARG/3mm Clear/ARG/3mm Solarban 60 | AT/AT | 3 | 0.035(2), 0.035(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.33 | 0.28 | 0.47 | 38 |
| | 00136-00001 | No Grids 3mm Solarban 70/AIR/3mm Clear/AIR/3mm Solarban 70 | AT/AT | 3 | 0.018(2), 0.018(5) | 0.315,0.315 | SU-D | Fill 1: AIR (100),Fill 2: AIR (100) | N | | CL | 0.36 | 0.19 | 0.36 | 37 |
| | 00137-00001 | No Grids 3mm Solarban 70/ARG/3mm Clear/ARG/3mm Solarban 70 | AT/AT | 3 | 0.018(2), 0.018(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.32 | 0.19 | 0.36 | 38 |
| | 00138-00001 | No Grids 3mm Solarban 60/ARG/3mm Clear/ARG/3mm Comfort Select 73 | AT/AT | 3 | 0.035(2), 0.148(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.34 | 0.29 | 0.48 | 38 |
| | 00139-00001 | No Grids 3mm Solarban 70/ARG/3mm Clear/ARG/3mm Comfort Select 73 | AT/AT | 3 | 0.018(2), 0.148(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.34 | 0.19 | 0.42 | 38 |
| | 00140-00001 | No Grids 3mm SunGuard SN 68/ARG/3mm Clear/ARG/3mm SunGuard IS 20 | AT/AT | 3 | 0.039(2), 0.198(5) | 0.315,0.315 | TS-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.34 | 0.28 | 0.49 | 37 |
| | 00141-00001 | Grids\| No Grids 3mm Solarban 60/AIR/3mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.38 | 0.31 | 0.53 | 36 |
| | 00141-00002 | Grids\| No Grids 3mm Solarban 60/AIR/3mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.38 | 0.27 | 0.46 | 36 |
| | 00142-00001 | Grids\| No Grids 3mm Solarban 60/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.748 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.31 | 0.53 | 36 |
| | 00142-00002 | Grids\| No Grids 3mm Solarban 60/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.46 | 36 |
| | 00143-00001 | Grids\| No Grids 5mm Solarban 60/AIR/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.37 | 0.31 | 0.53 | 36 |
| | 00143-00002 | Grids\| No Grids 5mm Solarban 60/AIR/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.37 | 0.27 | 0.46 | 36 |
| | 00144-00001 | Grids\| No Grids 5mm Solarban 60/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.31 | 0.53 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00144-00002 | Grids\| No Grids 5mm Solarban 60/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.46 | 36 |
| | 00145-00001 | Grids\| No Grids 3mm Solarban 70/AIR/3mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.748 | SU-D | Fill 1: AIR (100) | N | | CL | 0.37 | 0.21 | 0.46 | 36 |
| | 00145-00002 | Grids\| No Grids 3mm Solarban 70/AIR/3mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.37 | 0.19 | 0.40 | 36 |
| | 00146-00001 | Grids\| No Grids 3mm Solarban 70/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.748 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.46 | 36 |
| | 00146-00002 | Grids\| No Grids 3mm Solarban 70/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.18 | 0.40 | 36 |
| | 00147-00001 | Grids\| No Grids 5mm Solarban 70/AIR/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.37 | 0.21 | 0.49 | 36 |
| | 00147-00002 | Grids\| No Grids 5mm Solarban 70/AIR/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.37 | 0.19 | 0.43 | 36 |
| | 00148-00001 | Grids\| No Grids 5mm Solarban 70/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.49 | 36 |
| | 00148-00002 | Grids\| No Grids 5mm Solarban 70/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.43 | 36 |
| | 00149-00001 | Grids\| No Grids 3mm Clear/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.55 | 0.59 | 0.64 | 36 |
| | 00149-00002 | Grids\| No Grids 3mm Clear/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.55 | 0.53 | 0.56 | 36 |
| | 00150-00001 | Grids\| No Grids 5mm Clear/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.55 | 0.58 | 0.64 | 36 |
| | 00150-00002 | Grids\| No Grids 5mm Clear/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.55 | 0.51 | 0.56 | 36 |
| | 00151-00001 | Grids\| No Grids 6mm Clear/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.472 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.56 | 0.64 | 36 |
| | 00151-00002 | Grids\| No Grids 6mm Clear/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.472 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.50 | 0.56 | 36 |
| | 00152-00001 | Grids\| No Grids 3mm Solarban 60/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.33 | 0.57 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00152-00002 | Grids\| No Grids 3mm Solarban 60/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.29 | 0.50 | 37 |
| | 00153-00001 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00153-00002 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.29 | 0.50 | 37 |
| | 00154-00001 | Grids\| No Grids 5mm Solarban 60/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.32 | 0.57 | 37 |
| | 00154-00002 | Grids\| No Grids 5mm Solarban 60/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.29 | 0.50 | 37 |
| | 00155-00001 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00155-00002 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00156-00001 | Grids\| No Grids 6mm Solarban 60/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.32 | 0.57 | 37 |
| | 00156-00002 | Grids\| No Grids 6mm Solarban 60/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.29 | 0.50 | 37 |
| | 00157-00001 | Grids\| No Grids 6mm Solarban 60/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00157-00002 | Grids\| No Grids 6mm Solarban 60/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00158-00001 | Grids\| No Grids 3mm Solarban 70/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.22 | 0.50 | 37 |
| | 00158-00002 | Grids\| No Grids 3mm Solarban 70/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.44 | 37 |
| | 00159-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.50 | 37 |
| | 00159-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.19 | 0.44 | 37 |
| | 00160-00001 | Grids\| No Grids 5mm Solarban 70/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.23 | 0.52 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00160-00002 | Grids\| No Grids 5mm Solarban 70/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.46 | 37 |
| | 00161-00001 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.22 | 0.52 | 37 |
| | 00161-00002 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.20 | 0.46 | 37 |
| | 00162-00001 | Grids\| No Grids 6mm Solarban 70/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.23 | 0.52 | 37 |
| | 00162-00002 | Grids\| No Grids 6mm Solarban 70/AIR/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.45 | 37 |
| | 00163-00001 | Grids\| No Grids 6mm Solarban 70/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.22 | 0.52 | 37 |
| | 00163-00002 | Grids\| No Grids 6mm Solarban 70/ARG/ (3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.20 | 0.45 | 37 |
| | 00164-00001 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.31 | 0.51 | 36 |
| | 00164-00002 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.45 | 36 |
| | 00165-00001 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.30 | 0.51 | 36 |
| | 00165-00002 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.27 | 0.45 | 36 |
| | 00166-00001 | Grids\| No Grids 6mm Solarban 60/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.30 | 0.51 | 36 |
| | 00166-00002 | Grids\| No Grids 6mm Solarban 60/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.26 | 0.44 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00167-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.20 | 0.45 | 36 |
| | 00167-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.18 | 0.39 | 36 |
| | 00168-00001 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.47 | 36 |
| | 00168-00002 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.41 | 36 |
| | 00169-00001 | Grids\| No Grids 6mm Solarban 70/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.46 | 36 |
| | 00169-00002 | Grids\| No Grids 6mm Solarban 70/ARG/ (3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.41 | 36 |
| | 00170-00001 | No Grids 5mm Clear/ARG/(6mm Clear / 030 PVB / 6mm Clear) | AT/AT | 2 | | 0.315 | SU-D | Fill 1: ARG (90) | N | | CL | 0.56 | 0.56 | 0.63 | 36 |
| | 00171-00001 | No Grids 5mm Solarban 60/ARG/(6mm Clear / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.315 | SU-D | Fill 1: ARG (90) | N | | CL | 0.42 | 0.32 | 0.56 | 37 |
| | 00172-00001 | No Grids 5mm Solarban 70/ARG/(6mm Clear / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2) | 0.315 | SU-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.23 | 0.51 | 37 |
| | 00173-00001 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.31 | 0.52 | 37 |
| | 00173-00002 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.46 | 37 |
| | 00174-00001 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.52 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00174-00002 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.45 | 36 |
| | 00175-00001 | Grids\| No Grids 6mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.51 | 36 |
| | 00175-00002 | Grids\| No Grids 6mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.45 | 36 |
| | 00176-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.20 | 0.45 | 37 |
| | 00176-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.18 | 0.40 | 37 |
| | 00177-00001 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.47 | 36 |
| | 00177-00002 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.41 | 36 |
| | 00178-00001 | Grids\| No Grids 6mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.47 | 36 |
| | 00178-00002 | Grids\| No Grids 6mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.41 | 36 |
| | 00179-00001 | Grids\| No Grids 5mm Clear/AIR/3mm Clear | AT/AT | 2 | | 0.669 | SU-D | Fill 1: AIR (100) | N | | CL | 0.57 | 0.60 | 0.65 | 36 |
| | 00179-00002 | Grids\| No Grids 5mm Clear/AIR/3mm Clear | AT/AT | 2 | | 0.669 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.57 | 0.53 | 0.57 | 36 |
| | 00180-00001 | Grids\| No Grids 6mm Clear/AIR/3mm Clear | AT/AT | 2 | | 0.630 | SU-D | Fill 1: AIR (100) | N | | CL | 0.57 | 0.58 | 0.64 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00180-00002 | Grids\| No Grids 6mm Clear/AIR/3mm Clear | AT/AT | 2 | | 0.630 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.57 | 0.52 | 0.56 | 36 |
| | 00181-00001 | Grids\| No Grids 6mm Clear/AIR/5mm Clear | AT/AT | 2 | | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.58 | 0.64 | 36 |
| | 00181-00002 | Grids\| No Grids 6mm Clear/AIR/5mm Clear | AT/AT | 2 | | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.51 | 0.56 | 36 |
| | 00182-00001 | Grids\| No Grids 5mm Solarban 60/AIR/3mm Clear | AT/AT | 2 | 0.035(2) | 0.669 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.58 | 37 |
| | 00182-00002 | Grids\| No Grids 5mm Solarban 60/AIR/3mm Clear | AT/AT | 2 | 0.035(2) | 0.669 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.29 | 0.51 | 37 |
| | 00183-00001 | Grids\| No Grids 5mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.32 | 0.58 | 37 |
| | 00183-00002 | Grids\| No Grids 5mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.28 | 0.51 | 37 |
| | 00184-00001 | Grids\| No Grids 6mm Solarban 60/AIR/3mm Clear | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.57 | 36 |
| | 00184-00002 | Grids\| No Grids 6mm Solarban 60/AIR/3mm Clear | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.29 | 0.50 | 36 |
| | 00185-00001 | Grids\| No Grids 6mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.32 | 0.57 | 37 |
| | 00185-00002 | Grids\| No Grids 6mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.28 | 0.50 | 37 |
| | 00186-00001 | Grids\| No Grids 6mm Solarban 60/AIR/5mm Clear | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.57 | 37 |
| | 00186-00002 | Grids\| No Grids 6mm Solarban 60/AIR/5mm Clear | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.29 | 0.50 | 37 |
| | 00187-00001 | Grids\| No Grids 6mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00187-00002 | Grids\| No Grids 6mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00188-00001 | Grids\| No Grids 5mm Solarban 70/AIR/3mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.23 | 0.53 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00188-00002 | Grids\| No Grids 5mm Solarban 70/AIR/3mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.20 | 0.46 | 37 |
| | 00189-00001 | Grids\| No Grids 5mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.53 | 37 |
| | 00189-00002 | Grids\| No Grids 5mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00190-00001 | Grids\| No Grids 6mm Solarban 70/AIR/3mm Clear | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.23 | 0.52 | 36 |
| | 00190-00002 | Grids\| No Grids 6mm Solarban 70/AIR/3mm Clear | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.20 | 0.46 | 36 |
| | 00191-00001 | Grids\| No Grids 6mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00191-00002 | Grids\| No Grids 6mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00192-00001 | Grids\| No Grids 6mm Solarban 70/AIR/5mm Clear | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.23 | 0.52 | 37 |
| | 00192-00002 | Grids\| No Grids 6mm Solarban 70/AIR/5mm Clear | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.46 | 37 |
| | 00193-00001 | Grids\| No Grids 6mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00193-00002 | Grids\| No Grids 6mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00194-00001 | Grids\| No Grids 5mm Clear/AIR/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.669 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.39 | 0.58 | 36 |
| | 00194-00002 | Grids\| No Grids 5mm Clear/AIR/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.669 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.34 | 0.51 | 36 |
| | 00195-00001 | Grids\| No Grids 5mm Clear/ARG/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.39 | 0.58 | 37 |
| | 00195-00002 | Grids\| No Grids 5mm Clear/ARG/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.34 | 0.51 | 37 |
| | 00196-00001 | Grids\| No Grids 6mm Clear/AIR/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.38 | 0.57 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00196-00002 | Grids\| No Grids 6mm Clear/AIR/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.34 | 0.50 | 37 |
| | 00197-00001 | Grids\| No Grids 6mm Clear/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.38 | 0.57 | 37 |
| | 00197-00002 | Grids\| No Grids 6mm Clear/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.34 | 0.50 | 37 |
| | 00198-00001 | Grids\| No Grids 5mm Clear/AIR/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.669 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.30 | 0.50 | 36 |
| | 00198-00002 | Grids\| No Grids 5mm Clear/AIR/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.669 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.27 | 0.44 | 36 |
| | 00199-00001 | Grids\| No Grids 5mm Clear/ARG/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.50 | 37 |
| | 00199-00002 | Grids\| No Grids 5mm Clear/ARG/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.27 | 0.44 | 37 |
| | 00200-00001 | Grids\| No Grids 6mm Clear/AIR/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.29 | 0.52 | 37 |
| | 00200-00002 | Grids\| No Grids 6mm Clear/AIR/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.26 | 0.46 | 37 |
| | 00201-00001 | Grids\| No Grids 6mm Clear/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.52 | 37 |
| | 00201-00002 | Grids\| No Grids 6mm Clear/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.46 | 37 |
| | 00202-00001 | Grids\| No Grids (3mm Clear / 060 PVB / 3mm Clear)/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.433 | SU-D | Fill 1: AIR (100) | N | | CL | 0.55 | 0.56 | 0.64 | 36 |
| | 00202-00002 | Grids\| No Grids (3mm Clear / 060 PVB / 3mm Clear)/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | | 0.433 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.55 | 0.49 | 0.56 | 36 |
| | 00203-00001 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.433 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.32 | 0.56 | 37 |
| | 00203-00002 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/AIR/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.433 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.28 | 0.49 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00204-00001 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/ARG/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.31 | 0.56 | 37 |
| | 00204-00002 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/ARG/(3mm Clear / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.28 | 0.49 | 37 |
| | 00205-00001 | Grids\| No Grids (3mm Clear / 060 PVB / 3mm Clear)/AIR/(3mm Solarban 60 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(3) | 0.433 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.37 | 0.56 | 37 |
| | 00205-00002 | Grids\| No Grids (3mm Clear / 060 PVB / 3mm Clear)/AIR/(3mm Solarban 60 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(3) | 0.433 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.33 | 0.49 | 37 |
| | 00206-00001 | Grids\| No Grids (3mm Clear / 060 PVB / 3mm Clear)/ARG/(3mm Solarban 60 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(3) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.37 | 0.56 | 37 |
| | 00206-00002 | Grids\| No Grids (3mm Clear / 060 PVB / 3mm Clear)/ARG/(3mm Solarban 60 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(3) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.33 | 0.49 | 37 |
| | 00207-00001 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/ARG/(3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.29 | 0.50 | 36 |
| | 00207-00002 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/ARG/(3mm Comfort Select 73 / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.26 | 0.44 | 36 |
| | 00208-00001 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/ARG/(3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.164(4) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.29 | 0.51 | 36 |
| | 00208-00002 | Grids\| No Grids (3mm Solarban 60 / 060 PVB / 3mm Clear)/ARG/(3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.164(4) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.26 | 0.45 | 36 |
| | 00209-00001 | Grids\| No Grids 3mm Clear/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | | 0.630 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.59 | 0.64 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00209-00002 | Grids\| No Grids 3mm Clear/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | | 0.630 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.53 | 0.56 | 36 |
| | 00210-00001 | Grids\| No Grids 3mm Solarban 60/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.57 | 37 |
| | 00210-00002 | Grids\| No Grids 3mm Solarban 60/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.29 | 0.50 | 37 |
| | 00211-00001 | Grids\| No Grids 3mm Solarban 60/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00211-00002 | Grids\| No Grids 3mm Solarban 60/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.29 | 0.50 | 37 |
| | 00212-00001 | Grids\| No Grids 3mm Solarban 70/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.22 | 0.50 | 37 |
| | 00212-00002 | Grids\| No Grids 3mm Solarban 70/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.44 | 37 |
| | 00213-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.50 | 37 |
| | 00213-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.19 | 0.44 | 37 |
| | 00214-00001 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.31 | 0.52 | 36 |
| | 00214-00002 | Grids\| No Grids 3mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.46 | 36 |
| | 00215-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.20 | 0.45 | 36 |
| | 00215-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.18 | 0.40 | 36 |
| | 00216-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.164(4) | 0.630 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.46 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00216-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.164(4) | 0.630 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.40 | 37 |
| | 00217-00001 | Grids\| No Grids 5mm Clear/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.58 | 0.64 | 36 |
| | 00217-00002 | Grids\| No Grids 5mm Clear/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.51 | 0.56 | 36 |
| | 00218-00001 | Grids\| No Grids 5mm Solarban 60/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.32 | 0.57 | 37 |
| | 00218-00002 | Grids\| No Grids 5mm Solarban 60/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.29 | 0.50 | 37 |
| | 00219-00001 | Grids\| No Grids 5mm Solarban 60/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00219-00002 | Grids\| No Grids 5mm Solarban 60/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00220-00001 | Grids\| No Grids 5mm Solarban 70/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.22 | 0.52 | 37 |
| | 00220-00002 | Grids\| No Grids 5mm Solarban 70/AIR/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.46 | 37 |
| | 00221-00001 | Grids\| No Grids 5mm Solarban 70/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00221-00002 | Grids\| No Grids 5mm Solarban 70/ARG/ (2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.018(2) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00222-00001 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.52 | 36 |
| | 00222-00002 | Grids\| No Grids 5mm Solarban 60/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.45 | 36 |
| | 00223-00001 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.47 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00223-00002 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.41 | 36 |
| | 00224-00001 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.164(4) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.48 | 36 |
| | 00224-00002 | Grids\| No Grids 5mm Solarban 70/ARG/ (3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.018(2), 0.164(4) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.42 | 36 |
| | 00225-00001 | Grids\| No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.56 | 0.64 | 36 |
| | 00225-00002 | Grids\| No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.49 | 0.56 | 36 |
| | 00226-00001 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.32 | 0.57 | 37 |
| | 00226-00002 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/AIR/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.28 | 0.50 | 37 |
| | 00227-00001 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.31 | 0.57 | 37 |
| | 00227-00002 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(2.7mm Clear / 030 PVB / 2.7mm Clear) | AT/AT | 2 | 0.035(2) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00228-00001 | Grids\| No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(2.5mm Solarban 60 / 030 PVB / 2.5mm Clear) | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.37 | 0.57 | 36 |
| | 00228-00002 | Grids\| No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(2.5mm Solarban 60 / 030 PVB / 2.5mm Clear) | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.33 | 0.50 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00229-00001 | Grids\| No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/ARG/(2.5mm Solarban 60 / 030 PVB / 2.5mm Clear) | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.37 | 0.57 | 37 |
| | 00229-00002 | Grids\| No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/ARG/(2.5mm Solarban 60 / 030 PVB / 2.5mm Clear) | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.33 | 0.50 | 37 |
| | 00230-00001 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.30 | 0.52 | 36 |
| | 00230-00002 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(3mm Comfort Select 73 / 030 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.26 | 0.45 | 36 |
| | 00231-00001 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.164(4) | 0.512 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.30 | 0.53 | 36 |
| | 00231-00002 | Grids\| No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(3mm Energy Advantage Low-E / 060 PVB / 3mm Clear) | AT/AT | 2 | 0.035(2), 0.164(4) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.27 | 0.46 | 36 |
| | 00232-00001 | Grids\| No Grids 3mm Solarbronze/AIR/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: AIR (100) | N | | BZ | 0.44 | 0.31 | 0.43 | 37 |
| | 00232-00002 | Grids\| No Grids 3mm Solarbronze/AIR/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | BZ | 0.44 | 0.28 | 0.38 | 37 |
| | 00233-00001 | Grids\| No Grids 3mm Solarbronze/ARG/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: ARG (90) | N | | BZ | 0.40 | 0.31 | 0.43 | 37 |
| | 00233-00002 | Grids\| No Grids 3mm Solarbronze/ARG/3mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | BZ | 0.40 | 0.28 | 0.38 | 37 |
| | 00234-00001 | Grids\| No Grids 5mm Solarbronze/AIR/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: AIR (100) | N | | BZ | 0.43 | 0.28 | 0.38 | 37 |
| | 00234-00002 | Grids\| No Grids 5mm Solarbronze/AIR/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | BZ | 0.43 | 0.25 | 0.33 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00235-00001 | Grids\| No Grids 5mm Solarbronze/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: ARG (90) | N | | BZ | 0.39 | 0.28 | 0.38 | 37 |
| | 00235-00002 | Grids\| No Grids 5mm Solarbronze/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | BZ | 0.39 | 0.25 | 0.33 | 37 |
| | 00236-00001 | Grids\| No Grids 6mm Solarbronze/AIR/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: AIR (100) | N | | BZ | 0.43 | 0.27 | 0.34 | 37 |
| | 00236-00002 | Grids\| No Grids 6mm Solarbronze/AIR/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | BZ | 0.43 | 0.24 | 0.30 | 37 |
| | 00237-00001 | Grids\| No Grids 6mm Solarbronze/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: ARG (90) | N | | BZ | 0.39 | 0.26 | 0.34 | 37 |
| | 00237-00002 | Grids\| No Grids 6mm Solarbronze/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | BZ | 0.39 | 0.23 | 0.30 | 37 |
| | 00238-00001 | Grids\| No Grids 3mm Solarbronze/AIR/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: AIR (100) | N | | BZ | 0.43 | 0.24 | 0.38 | 37 |
| | 00238-00002 | Grids\| No Grids 3mm Solarbronze/AIR/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: AIR (100) | G | 0.75 | BZ | 0.43 | 0.22 | 0.33 | 37 |
| | 00239-00001 | Grids\| No Grids 3mm Solarbronze/ARG/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: ARG (90) | N | | BZ | 0.40 | 0.24 | 0.38 | 37 |
| | 00239-00002 | Grids\| No Grids 3mm Solarbronze/ARG/3mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.748 | SU-D | Fill 1: ARG (90) | G | 0.75 | BZ | 0.40 | 0.22 | 0.33 | 37 |
| | 00240-00001 | Grids\| No Grids 5mm Solarbronze/AIR/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: AIR (100) | N | | BZ | 0.43 | 0.22 | 0.34 | 37 |
| | 00240-00002 | Grids\| No Grids 5mm Solarbronze/AIR/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: AIR (100) | G | 0.75 | BZ | 0.43 | 0.20 | 0.30 | 37 |
| | 00241-00001 | Grids\| No Grids 5mm Solarbronze/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: ARG (90) | N | | BZ | 0.39 | 0.22 | 0.34 | 37 |
| | 00241-00002 | Grids\| No Grids 5mm Solarbronze/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.591 | SU-D | Fill 1: ARG (90) | G | 0.75 | BZ | 0.39 | 0.19 | 0.30 | 37 |
| | 00242-00001 | Grids\| No Grids 6mm Solarbronze/AIR/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: AIR (100) | N | | BZ | 0.42 | 0.21 | 0.31 | 37 |
| | 00242-00002 | Grids\| No Grids 6mm Solarbronze/AIR/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: AIR (100) | G | 0.75 | BZ | 0.42 | 0.19 | 0.27 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00243-00001 | Grids\| No Grids 6mm Solarbronze/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: ARG (90) | N | | BZ | 0.39 | 0.20 | 0.31 | 37 |
| | 00243-00002 | Grids\| No Grids 6mm Solarbronze/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.512 | SU-D | Fill 1: ARG (90) | G | 0.75 | BZ | 0.39 | 0.18 | 0.27 | 37 |
| | 00244-00001 | Grids\| No Grids 3mm Clear/AIR/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | | 0.472 | SU-D | Fill 1: AIR (100) | N | | CL | 0.56 | 0.59 | 0.64 | 36 |
| | 00244-00002 | Grids\| No Grids 3mm Clear/AIR/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | | 0.472 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.56 | 0.52 | 0.56 | 36 |
| | 00245-00001 | Grids\| No Grids 3mm Clear/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.54 | 0.59 | 0.64 | 36 |
| | 00245-00002 | Grids\| No Grids 3mm Clear/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.54 | 0.52 | 0.56 | 36 |
| | 00246-00001 | Grids\| No Grids 3mm Solarban 60/AIR/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.33 | 0.57 | 37 |
| | 00246-00002 | Grids\| No Grids 3mm Solarban 60/AIR/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.29 | 0.50 | 37 |
| | 00247-00001 | Grids\| No Grids 3mm Solarban 60/ARG/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 38 |
| | 00247-00002 | Grids\| No Grids 3mm Solarban 60/ARG/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.29 | 0.50 | 38 |
| | 00248-00001 | Grids\| No Grids 3mm Solarban 70/AIR/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: AIR (100) | N | | CL | 0.42 | 0.22 | 0.49 | 37 |
| | 00248-00002 | Grids\| No Grids 3mm Solarban 70/AIR/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.42 | 0.20 | 0.43 | 37 |
| | 00249-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.22 | 0.49 | 38 |
| | 00249-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.20 | 0.43 | 38 |
| | 00250-00001 | Grids\| No Grids 3mm Solarban 70/ARG/ (5mm Comfort Select 73 / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.45 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00250-00002 | Grids\| No Grids 3mm Solarban 70/ARG/ (5mm Comfort Select 73 / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.472 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.18 | 0.40 | 37 |
| | 00251-00001 | No Grids 5mm Clear/AIR/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | | 0.394 | SU-D | Fill 1: AIR (100) | N | | CL | 0.57 | 0.57 | 0.63 | 36 |
| | 00252-00001 | No Grids 5mm Clear/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.55 | 0.57 | 0.63 | 36 |
| | 00253-00001 | No Grids 5mm Solarban 60/AIR/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.394 | SU-D | Fill 1: AIR (100) | N | | CL | 0.44 | 0.32 | 0.56 | 37 |
| | 00254-00001 | No Grids 5mm Solarban 60/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.56 | 37 |
| | 00255-00001 | No Grids 5mm Solarban 70/AIR/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.394 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.23 | 0.52 | 37 |
| | 00256-00001 | No Grids 5mm Solarban 70/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00257-00001 | No Grids 5mm Solarban 60/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.52 | 36 |
| | 00258-00001 | No Grids 5mm Solarban 70/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.47 | 36 |
| | 00259-00001 | No Grids 5mm Clear/AIR/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | | 0.276 | SU-D | Fill 1: AIR (100) | N | | CL | 0.59 | 0.56 | 0.63 | 36 |
| | 00260-00001 | No Grids 5mm Clear/ARG/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.56 | 0.56 | 0.63 | 36 |
| | 00261-00001 | No Grids 5mm Solarban 60/AIR/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: AIR (100) | N | | CL | 0.49 | 0.33 | 0.56 | 37 |
| | 00262-00001 | No Grids 5mm Solarban 60/ARG/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.44 | 0.32 | 0.56 | 37 |
| | 00263-00001 | No Grids 5mm Solarban 70/AIR/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2) | 0.276 | SU-D | Fill 1: AIR (100) | N | | CL | 0.48 | 0.23 | 0.51 | 37 |
| | 00264-00001 | No Grids 5mm Solarban 70/ARG/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.43 | 0.23 | 0.51 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00265-00001 | No Grids 5mm Solarban 60/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2), 0.188(4) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.51 | 36 |
| | 00266-00001 | No Grids 5mm Solarban 70/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2), 0.188(4) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.21 | 0.47 | 36 |
| | 00267-00001 | No Grids 6mm Clear/AIR/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | | 0.236 | SU-D | Fill 1: AIR (100) | N | | CL | 0.61 | 0.54 | 0.62 | 36 |
| | 00268-00001 | No Grids 6mm Clear/ARG/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | | 0.236 | SU-D | Fill 1: ARG (90) | N | | CL | 0.58 | 0.55 | 0.62 | 36 |
| | 00269-00001 | No Grids 6mm Solarban 60/AIR/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.236 | SU-D | Fill 1: AIR (100) | N | | CL | 0.51 | 0.33 | 0.55 | 36 |
| | 00270-00001 | No Grids 6mm Solarban 60/ARG/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.236 | SU-D | Fill 1: ARG (90) | N | | CL | 0.46 | 0.32 | 0.55 | 37 |
| | 00271-00001 | No Grids 6mm Solarban 70/AIR/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2) | 0.236 | SU-D | Fill 1: AIR (100) | N | | CL | 0.51 | 0.24 | 0.51 | 36 |
| | 00272-00001 | No Grids 6mm Solarban 70/ARG/(6mm Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2) | 0.236 | SU-D | Fill 1: ARG (90) | N | | CL | 0.45 | 0.23 | 0.51 | 37 |
| | 00273-00001 | No Grids 6mm Solarban 60/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2), 0.188(4) | 0.236 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.30 | 0.51 | 36 |
| | 00274-00001 | No Grids 6mm Solarban 70/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.018(2), 0.188(4) | 0.236 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.21 | 0.47 | 36 |
| | 00275-00001 | No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(6mm Clear / 030 PVB / 6mm Clear) | AT/AT | 2 | | 0.276 | SU-D | Fill 1: AIR (100) | N | | CL | 0.59 | 0.54 | 0.62 | 36 |
| | 00276-00001 | No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/AIR/(6mm Clear / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: AIR (100) | N | | CL | 0.49 | 0.32 | 0.56 | 37 |
| | 00277-00001 | No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(6mm Clear / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.44 | 0.32 | 0.56 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** — **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00278-00001 | No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(6mm Solarban 60 / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.035(3) | 0.276 | SU-D | Fill 1: AIR (100) | N | | CL | 0.49 | 0.36 | 0.55 | 37 |
| | 00279-00001 | No Grids (2.7mm Clear / 030 PVB / 2.7mm Clear)/ARG/(6mm Solarban 60 / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.035(3) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.43 | 0.37 | 0.55 | 37 |
| | 00280-00001 | No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2), 0.188(4) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.51 | 36 |
| | 00281-00001 | No Grids (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(6mm Energy Advantage Low-E / 030 PVB / 6mm Clear) | AT/AT | 2 | 0.035(2), 0.157(4) | 0.276 | SU-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.30 | 0.51 | 36 |
| | 00282-00001 | Grids\| No Grids 5mm Solarban 60/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.52 | 36 |
| | 00282-00002 | Grids\| No Grids 5mm Solarban 60/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.46 | 36 |
| | 00283-00001 | Grids\| No Grids 6mm Solarban 60/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.53 | 36 |
| | 00283-00002 | Grids\| No Grids 6mm Solarban 60/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.27 | 0.46 | 36 |
| | 00284-00001 | Grids\| No Grids 5mm Solarban 70/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.48 | 36 |
| | 00284-00002 | Grids\| No Grids 5mm Solarban 70/ARG/3mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.42 | 36 |
| | 00285-00001 | Grids\| No Grids 6mm Solarban 70/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(3) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.48 | 37 |
| | 00285-00002 | Grids\| No Grids 6mm Solarban 70/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(3) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.19 | 0.42 | 37 |
| | 00286-00001 | Grids\| No Grids 5mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.32 | 0.58 | 37 |
| | 00286-00002 | Grids\| No Grids 5mm Solarban 60/ARG/3mm Clear | AT/AT | 2 | 0.035(2) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.28 | 0.51 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00287-00001 | Grids\| No Grids 6mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.57 | 37 |
| | 00287-00002 | Grids\| No Grids 6mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.551 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.50 | 37 |
| | 00288-00001 | Grids\| No Grids 5mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.53 | 37 |
| | 00288-00002 | Grids\| No Grids 5mm Solarban 70/ARG/3mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00289-00001 | Grids\| No Grids 6mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.52 | 37 |
| | 00289-00002 | Grids\| No Grids 6mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.669 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.46 | 37 |
| | 00290-00001 | No Grids 10mm Clear/ARG/5mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.36 | 0.56 | 36 |
| | 00291-00001 | No Grids 10mm Clear/ARG/5mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.51 | 36 |
| | 00292-00001 | No Grids 10mm Solarban 60/ARG/5mm Clear | AT/AT | 2 | 0.035(2) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.31 | 0.56 | 36 |
| | 00293-00001 | No Grids 10mm Solarban 70/ARG/5mm Clear | AT/AT | 2 | 0.018(2) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.23 | 0.51 | 36 |
| | 00294-00001 | No Grids 10mm Solarban 60/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.29 | 0.52 | 36 |
| | 00295-00001 | No Grids 10mm Solarban 70/ARG/5mm Comfort Select 73 | AT/AT | 2 | 0.018(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.47 | 36 |
| | 00296-00001 | No Grids 10mm Clear/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.36 | 0.55 | 36 |
| | 00297-00001 | No Grids 10mm Clear/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.29 | 0.51 | 36 |
| | 00298-00001 | No Grids 10mm Solarban 60/ARG/6mm Clear | AT/AT | 2 | 0.035(2) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.31 | 0.55 | 36 |
| | 00299-00001 | No Grids 10mm Solarban 70/ARG/6mm Clear | AT/AT | 2 | 0.018(2) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.23 | 0.51 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00300-00001 | No Grids 10mm Solarban 60/ARG/6mm Energy Select 73 Plus | AT/AT | 2 | 0.035(2), 0.188(3) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.30 | 0.52 | 36 |
| | 00301-00001 | No Grids 10mm Solarban 70/ARG/6mm Energy Select 73 Plus | AT/AT | 2 | 0.018(2), 0.188(4) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.21 | 0.48 | 36 |
| | 00302-00001 | Grids\| No Grids 8mm Clear/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.37 | 0.56 | 37 |
| | 00302-00002 | Grids\| No Grids 8mm Clear/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.33 | 0.49 | 37 |
| | 00303-00001 | Grids\| No Grids 8mm Clear/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.51 | 37 |
| | 00303-00002 | Grids\| No Grids 8mm Clear/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.45 | 37 |
| | 00304-00001 | Grids\| No Grids 8mm Solarban 60/ARG/6mm Clear | AT/AT | 2 | 0.035(2) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.31 | 0.56 | 37 |
| | 00304-00002 | Grids\| No Grids 8mm Solarban 60/ARG/6mm Clear | AT/AT | 2 | 0.035(2) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.49 | 37 |
| | 00305-00001 | Grids\| No Grids 8mm Solarban 70/ARG/6mm Clear | AT/AT | 2 | 0.018(2) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00305-00002 | Grids\| No Grids 8mm Solarban 70/ARG/6mm Clear | AT/AT | 2 | 0.018(2) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.45 | 37 |
| | 00306-00001 | Grids\| No Grids 8mm Solarban 60/ARG/6mm Energy Select 73 Plus | AT/AT | 2 | 0.035(2), 0.188(4) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.29 | 0.52 | 36 |
| | 00306-00002 | Grids\| No Grids 8mm Solarban 60/ARG/6mm Energy Select 73 Plus | AT/AT | 2 | 0.035(2), 0.188(4) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.26 | 0.46 | 36 |
| | 00307-00001 | Grids\| No Grids 8mm Solarban 70/ARG/6mm Energy Select 73 Plus | AT/AT | 2 | 0.018(2), 0.188(4) | 0.433 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.48 | 36 |
| | 00307-00002 | Grids\| No Grids 8mm Solarban 70/ARG/6mm Energy Select 73 Plus | AT/AT | 2 | 0.018(2), 0.188(4) | 0.433 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.42 | 36 |
| | 00308-00001 | No Grids (5mm Clear / 030 PVB / 5mm Clear)/AIR/6mm Clear | AT/AT | 2 | | 0.354 | SU-D | Fill 1: AIR (100) | N | | CL | 0.58 | 0.54 | 0.63 | 35 |
| | 00309-00001 | No Grids (5mm Clear / 030 PVB / 5mm Clear)/AIR/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.354 | SU-D | Fill 1: AIR (100) | N | | CL | 0.45 | 0.37 | 0.56 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00310-00001 | No Grids (5mm Clear / 030 PVB / 5mm Clear)/ARG/6mm Solarban 60 | AT/AT | 2 | 0.035(3) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.37 | 0.56 | 37 |
| | 00311-00001 | No Grids (5mm Clear / 030 PVB / 5mm Clear)/AIR/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.354 | SU-D | Fill 1: AIR (100) | N | | CL | 0.45 | 0.29 | 0.51 | 36 |
| | 00312-00001 | No Grids (5mm Clear / 030 PVB / 5mm Clear)/ARG/6mm Solarban 70 | AT/AT | 2 | 0.018(3) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.29 | 0.51 | 37 |
| | 00313-00001 | No Grids 6mm Solarban 60/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.32 | 0.56 | 37 |
| | 00314-00001 | No Grids 6mm Solarban 70/ARG/(5mm Clear / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.23 | 0.51 | 37 |
| | 00315-00001 | No Grids 6mm Solarban 60/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.035(2), 0.148(4) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.30 | 0.51 | 36 |
| | 00316-00001 | No Grids 6mm Solarban 70/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear) | AT/AT | 2 | 0.018(2), 0.148(4) | 0.354 | SU-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.21 | 0.47 | 36 |
| | 00317-00001 | "5/8"" Colonial Grid 3mm Solarban 60/AIR/3mm Clear/AIR/3mm Solarban 60" | AT/AT | 3 | 0.035(2), 0.035(5) | 0.315,0.315 | SU-D | Fill 1: AIR (100),Fill 2: AIR (100) | G | 0.75 | CL | 0.37 | 0.25 | 0.41 | 37 |
| | 00318-00001 | "5/8"" Colonial Grid 3mm Solarban 60/ARG/3mm Clear/ARG/3mm Solarban 60" | AT/AT | 3 | 0.035(2), 0.035(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.33 | 0.25 | 0.41 | 38 |
| | 00319-00001 | "5/8"" Colonial Grid 3mm Solarban 70/AIR/3mm Clear/AIR/3mm Solarban 70" | AT/AT | 3 | 0.018(2), 0.018(5) | 0.315,0.315 | SU-D | Fill 1: AIR (100),Fill 2: AIR (100) | G | 0.75 | CL | 0.37 | 0.17 | 0.31 | 37 |
| | 00320-00001 | "5/8"" Colonial Grid 3mm Solarban 70/ARG/3mm Clear/ARG/3mm Solarban 70" | AT/AT | 3 | 0.018(2), 0.018(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.33 | 0.17 | 0.31 | 38 |
| | 00321-00001 | "5/8"" Colonial Grid 3mm Solarban 60/ARG/3mm Clear/ARG/3mm Comfort Select 73" | AT/AT | 3 | 0.035(2), 0.148(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.34 | 0.26 | 0.42 | 38 |
| | 00322-00001 | "5/8"" Colonial Grid 3mm Solarban 70/ARG/3mm Clear/ARG/3mm Comfort Select 73" | AT/AT | 3 | 0.018(2), 0.148(5) | 0.315,0.315 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.34 | 0.17 | 0.37 | 38 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00323-00001 | "5/8"" Colonial Grid 3mm SunGuard SN 68/ARG/3mm Clear/ARG/3mm SunGuard IS 20" | AT/AT | 3 | 0.039(2), 0.198(5) | 0.315,0.315 | TS-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.43 | 37 |
| | 00324-00001 | "5/8"" Colonial Grid 5mm Clear/ARG/ (6mm Clear / 030 PVB / 6mm Clear)" | AT/AT | 2 | | 0.315 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.57 | 0.50 | 0.55 | 36 |
| | 00325-00001 | "5/8"" Colonial Grid 5mm Solarban 60/ARG/(6mm Clear / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.315 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.44 | 0.29 | 0.49 | 37 |
| | 00326-00001 | "5/8"" Colonial Grid 5mm Solarban 70/ARG/(6mm Clear / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2) | 0.315 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.43 | 0.20 | 0.45 | 37 |
| | 00327-00001 | "5/8"" Colonial Grid 5mm Clear/AIR/ (5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | | 0.394 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.58 | 0.50 | 0.55 | 36 |
| | 00328-00001 | "5/8"" Colonial Grid 5mm Clear/ARG/ (5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.55 | 0.50 | 0.55 | 36 |
| | 00329-00001 | "5/8"" Colonial Grid 5mm Solarban 60/AIR/(5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.035(2) | 0.394 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.45 | 0.29 | 0.49 | 37 |
| | 00330-00001 | "5/8"" Colonial Grid 5mm Solarban 60/ARG/(5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.035(2) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.29 | 0.49 | 37 |
| | 00331-00001 | "5/8"" Colonial Grid 5mm Solarban 70/AIR/(5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.018(2) | 0.394 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.45 | 0.20 | 0.45 | 37 |
| | 00332-00001 | "5/8"" Colonial Grid 5mm Solarban 70/ARG/(5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.018(2) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.20 | 0.45 | 37 |
| | 00333-00001 | "5/8"" Colonial Grid 5mm Solarban 60/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.035(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.27 | 0.45 | 36 |
| | 00334-00001 | "5/8"" Colonial Grid 5mm Solarban 70/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.018(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.19 | 0.41 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00335-00001 | "5/8"" Colonial Grid 5mm Clear/AIR/ (6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | | 0.276 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.61 | 0.49 | 0.55 | 36 |
| | 00336-00001 | "5/8"" Colonial Grid 5mm Clear/ARG/ (6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.58 | 0.49 | 0.55 | 36 |
| | 00337-00001 | "5/8"" Colonial Grid 5mm Solarban 60/AIR/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.51 | 0.29 | 0.49 | 37 |
| | 00338-00001 | "5/8"" Colonial Grid 5mm Solarban 60/ARG/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.29 | 0.49 | 37 |
| | 00339-00001 | "5/8"" Colonial Grid 5mm Solarban 70/AIR/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2) | 0.276 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.51 | 0.21 | 0.45 | 37 |
| | 00340-00001 | "5/8"" Colonial Grid 5mm Solarban 70/ARG/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.20 | 0.45 | 37 |
| | 00341-00001 | "5/8"" Colonial Grid 5mm Solarban 60/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2), 0.188(4) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.27 | 0.45 | 36 |
| | 00342-00001 | "5/8"" Colonial Grid 5mm Solarban 70/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2), 0.188(4) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.19 | 0.41 | 36 |
| | 00343-00001 | "5/8"" Colonial Grid 6mm Clear/AIR/ (6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | | 0.236 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.63 | 0.48 | 0.55 | 36 |
| | 00344-00001 | "5/8"" Colonial Grid 6mm Clear/ARG/ (6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | | 0.236 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.60 | 0.48 | 0.55 | 36 |
| | 00345-00001 | "5/8"" Colonial Grid 6mm Solarban 60/AIR/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.236 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.55 | 0.29 | 0.49 | 36 |
| | 00346-00001 | "5/8"" Colonial Grid 6mm Solarban 60/ARG/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.236 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.49 | 0.29 | 0.49 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00347-00001 | "5/8"" Colonial Grid 6mm Solarban 70/AIR/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2) | 0.236 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.54 | 0.21 | 0.44 | 36 |
| | 00348-00001 | "5/8"" Colonial Grid 6mm Solarban 70/ARG/(6mm Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2) | 0.236 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.49 | 0.21 | 0.44 | 37 |
| | 00349-00001 | "5/8"" Colonial Grid 6mm Solarban 60/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2), 0.188(4) | 0.236 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.43 | 0.26 | 0.45 | 36 |
| | 00350-00001 | "5/8"" Colonial Grid 6mm Solarban 70/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.018(2), 0.188(4) | 0.236 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.43 | 0.19 | 0.41 | 36 |
| | 00351-00001 | "5/8"" Colonial Grid (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(6mm Clear / 030 PVB / 6mm Clear)" | AT/AT | 2 | | 0.276 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.61 | 0.48 | 0.55 | 36 |
| | 00352-00001 | "5/8"" Colonial Grid (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/AIR/(6mm Clear / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.51 | 0.29 | 0.49 | 37 |
| | 00353-00001 | "5/8"" Colonial Grid (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(6mm Clear / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.28 | 0.49 | 37 |
| | 00354-00001 | "5/8"" Colonial Grid (2.7mm Clear / 030 PVB / 2.7mm Clear)/AIR/(6mm Solarban 60 / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(3) | 0.276 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.51 | 0.32 | 0.48 | 37 |
| | 00355-00001 | "5/8"" Colonial Grid (2.7mm Clear / 030 PVB / 2.7mm Clear)/ARG/(6mm Solarban 60 / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(3) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.32 | 0.48 | 37 |
| | 00356-00001 | "5/8"" Colonial Grid (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(6mm Energy Select 73 Clear / 060 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2), 0.188(4) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.26 | 0.45 | 36 |
| | 00357-00001 | "5/8"" Colonial Grid (2.5mm Solarban 60 / 030 PVB / 2.5mm Clear)/ARG/(6mm Energy Advantage Low-E / 030 PVB / 6mm Clear)" | AT/AT | 2 | 0.035(2), 0.157(4) | 0.276 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.26 | 0.45 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00358-00001 | "5/8"" Colonial Grid 10mm Clear/ARG/5mm Solarban 60" | AT/AT | 2 | 0.035(3) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.32 | 0.49 | 36 |
| | 00359-00001 | "5/8"" Colonial Grid 10mm Clear/ARG/5mm Solarban 70" | AT/AT | 2 | 0.018(3) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.26 | 0.45 | 36 |
| | 00360-00001 | "5/8"" Colonial Grid 10mm Solarban 60/ARG/5mm Clear" | AT/AT | 2 | 0.035(2) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.28 | 0.49 | 36 |
| | 00361-00001 | "5/8"" Colonial Grid 10mm Solarban 70/ARG/5mm Clear" | AT/AT | 2 | 0.018(2) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.20 | 0.45 | 36 |
| | 00362-00001 | "5/8"" Colonial Grid 10mm Solarban 60/ARG/5mm Comfort Select 73" | AT/AT | 2 | 0.035(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.37 | 0.26 | 0.45 | 36 |
| | 00363-00001 | "5/8"" Colonial Grid 10mm Solarban 70/ARG/5mm Comfort Select 73" | AT/AT | 2 | 0.018(2), 0.148(4) | 0.394 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.19 | 0.41 | 36 |
| | 00364-00001 | "5/8"" Colonial Grid 10mm Clear/ARG/6mm Solarban 60" | AT/AT | 2 | 0.035(3) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.32 | 0.49 | 36 |
| | 00365-00001 | "5/8"" Colonial Grid 10mm Clear/ARG/6mm Solarban 70" | AT/AT | 2 | 0.018(3) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.26 | 0.44 | 36 |
| | 00366-00001 | "5/8"" Colonial Grid 10mm Solarban 60/ARG/6mm Clear" | AT/AT | 2 | 0.035(2) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.28 | 0.48 | 36 |
| | 00367-00001 | "5/8"" Colonial Grid 10mm Solarban 70/ARG/6mm Clear" | AT/AT | 2 | 0.018(2) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.20 | 0.44 | 36 |
| | 00368-00001 | "5/8"" Colonial Grid 10mm Solarban 60/ARG/6mm Energy Select 73 Plus" | AT/AT | 2 | 0.035(2), 0.188(3) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.27 | 0.46 | 36 |
| | 00369-00001 | "5/8"" Colonial Grid 10mm Solarban 70/ARG/6mm Energy Select 73 Plus" | AT/AT | 2 | 0.018(2), 0.188(4) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.19 | 0.42 | 36 |
| | 00370-00001 | "5/8"" Colonial Grid (5mm Clear / 030 PVB / 5mm Clear)/AIR/6mm Clear" | AT/AT | 2 | | 0.354 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.58 | 0.48 | 0.55 | 35 |
| | 00371-00001 | "5/8"" Colonial Grid (5mm Clear / 030 PVB / 5mm Clear)/AIR/6mm Solarban 60" | AT/AT | 2 | 0.035(3) | 0.354 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.46 | 0.33 | 0.49 | 36 |
| | 00372-00001 | "5/8"" Colonial Grid (5mm Clear / 030 PVB / 5mm Clear)/ARG/6mm Solarban 60" | AT/AT | 2 | 0.035(3) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.33 | 0.49 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00373-00001 | "5/8"" Colonial Grid (5mm Clear / 030 PVB / 5mm Clear)/AIR/6mm Solarban 70" | AT/AT | 2 | 0.018(3) | 0.354 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.46 | 0.26 | 0.45 | 36 |
| | 00374-00001 | "5/8"" Colonial Grid (5mm Clear / 030 PVB / 5mm Clear)/ARG/6mm Solarban 70" | AT/AT | 2 | 0.018(3) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.26 | 0.45 | 37 |
| | 00375-00001 | "5/8"" Colonial Grid 6mm Solarban 60/ARG/(5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.035(2) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.28 | 0.49 | 37 |
| | 00376-00001 | "5/8"" Colonial Grid 6mm Solarban 70/ARG/(5mm Clear / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.018(2) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.20 | 0.45 | 37 |
| | 00377-00001 | "5/8"" Colonial Grid 6mm Solarban 60/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.035(2), 0.148(4) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.37 | 0.27 | 0.45 | 36 |
| | 00378-00001 | "5/8"" Colonial Grid 6mm Solarban 70/ARG/(5mm Comfort Select 73 / 030 PVB / 5mm Clear)" | AT/AT | 2 | 0.018(2), 0.148(4) | 0.354 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.37 | 0.19 | 0.41 | 36 |
| | 00379-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/AIR/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.764 | SU-D | Fill 1: AIR (100) | N | | CL | 0.44 | 0.30 | 0.56 | 36 |
| | 00379-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/AIR/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.764 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.44 | 0.27 | 0.49 | 36 |
| | 00380-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.764 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.30 | 0.56 | 37 |
| | 00380-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.764 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.27 | 0.49 | 37 |
| | 00381-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/5 mm Clear | AT/AT | 2 | 0.035(2) | 0.606 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.55 | 37 |
| | 00381-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/5 mm Clear | AT/AT | 2 | 0.035(2) | 0.606 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.48 | 37 |
| | 00382-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/6 mm Clear | AT/AT | 2 | 0.035(2) | 0.528 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.54 | 37 |
| | 00382-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/6 mm Clear | AT/AT | 2 | 0.035(2) | 0.528 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.47 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00383-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/AIR/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.764 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.23 | 0.52 | 37 |
| | 00383-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/AIR/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.764 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.20 | 0.45 | 37 |
| | 00384-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.764 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.22 | 0.52 | 37 |
| | 00384-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.764 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.20 | 0.45 | 37 |
| | 00385-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/5 mm Clear | AT/AT | 2 | 0.02(2) | 0.606 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00385-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/5 mm Clear | AT/AT | 2 | 0.02(2) | 0.606 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.45 | 37 |
| | 00386-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/6 mm Clear | AT/AT | 2 | 0.02(2) | 0.528 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.50 | 37 |
| | 00386-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/6 mm Clear | AT/AT | 2 | 0.02(2) | 0.528 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.44 | 37 |
| | 00387-00001 | WITH AND WITHOUT GRIDS 3 mm Clear/AIR/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.764 | SU-D | Fill 1: AIR (100) | N | | CL | 0.44 | 0.37 | 0.56 | 36 |
| | 00387-00002 | WITH AND WITHOUT GRIDS 3 mm Clear/AIR/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.764 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.44 | 0.33 | 0.49 | 36 |
| | 00388-00001 | WITH AND WITHOUT GRIDS 3 mm Clear/ARG/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.764 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.38 | 0.56 | 37 |
| | 00388-00002 | WITH AND WITHOUT GRIDS 3 mm Clear/ARG/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.764 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.33 | 0.49 | 37 |
| | 00389-00001 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/5 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.606 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.37 | 0.55 | 37 |
| | 00389-00002 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/5 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.606 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.33 | 0.48 | 37 |
| | 00390-00001 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/6 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.528 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.36 | 0.54 | 37 |
| | 00390-00002 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/6 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.528 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.32 | 0.47 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00391-00001 | WITH AND WITHOUT GRIDS 3 mm Clear/AIR/3 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.764 | SU-D | Fill 1: AIR (100) | N | | CL | 0.43 | 0.32 | 0.52 | 36 |
| | 00391-00002 | WITH AND WITHOUT GRIDS 3 mm Clear/AIR/3 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.764 | SU-D | Fill 1: AIR (100) | G | 0.75 | CL | 0.43 | 0.28 | 0.45 | 36 |
| | 00392-00001 | WITH AND WITHOUT GRIDS 3 mm Clear/ARG/3 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.764 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.32 | 0.52 | 37 |
| | 00392-00002 | WITH AND WITHOUT GRIDS 3 mm Clear/ARG/3 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.764 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.29 | 0.45 | 37 |
| | 00393-00001 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/5 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.606 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.51 | 37 |
| | 00393-00002 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/5 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.606 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.45 | 37 |
| | 00394-00001 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/6 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.528 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.31 | 0.50 | 37 |
| | 00394-00002 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/6 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.528 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.44 | 37 |
| | 00395-00001 | NO GRIDS 3 mm LoE? 270/ARG/3 mm Clear/ARG/3 mm LoE? 270 | AT/AT | 3 | 0.035(2), 0.035(5) | 0.323,0.323 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.32 | 0.26 | 0.43 | 38 |
| | 00396-00001 | NO GRIDS 3 mm LoE? 366/ARG/3 mm Clear/ARG/3 mm LoE? 366 | AT/AT | 3 | 0.02(2), 0.02(5) | 0.323,0.323 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | N | | CL | 0.32 | 0.20 | 0.37 | 38 |
| | 00397-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.764 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.29 | 0.51 | 36 |
| | 00397-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.764 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.45 | 36 |
| | 00398-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.606 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.51 | 36 |
| | 00398-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.606 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.44 | 36 |
| | 00399-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.764 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.47 | 36 |
| | 00399-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.764 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.41 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00400-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.606 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.47 | 36 |
| | 00400-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.606 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.41 | 36 |
| | 00401-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.685 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.30 | 0.55 | 37 |
| | 00401-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.685 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.26 | 0.48 | 37 |
| | 00402-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.646 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.29 | 0.55 | 37 |
| | 00402-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.646 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.26 | 0.48 | 37 |
| | 00403-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/5 mm Clear | AT/AT | 2 | 0.035(2) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.54 | 37 |
| | 00403-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/5 mm Clear | AT/AT | 2 | 0.035(2) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.48 | 37 |
| | 00404-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.685 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00404-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.685 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.45 | 37 |
| | 00405-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.646 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00405-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/3 mm Clear | AT/AT | 2 | 0.02(2) | 0.646 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.45 | 37 |
| | 00406-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/5 mm Clear | AT/AT | 2 | 0.02(2) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00406-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/5 mm Clear | AT/AT | 2 | 0.02(2) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.44 | 37 |
| | 00407-00001 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.685 | SU-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.37 | 0.55 | 37 |
| | 00407-00002 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.685 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.33 | 0.49 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00408-00001 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/5 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.36 | 0.54 | 37 |
| | 00408-00002 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/5 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.32 | 0.48 | 37 |
| | 00409-00001 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/3 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.685 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.32 | 0.51 | 37 |
| | 00409-00002 | WITH AND WITHOUT GRIDS 5 mm Clear/ARG/3 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.685 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.45 | 37 |
| | 00410-00001 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/5 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.31 | 0.51 | 37 |
| | 00410-00002 | WITH AND WITHOUT GRIDS 6 mm Clear/ARG/5 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.28 | 0.44 | 37 |
| | 00411-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.685 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.50 | 36 |
| | 00411-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.685 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.44 | 36 |
| | 00412-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.50 | 36 |
| | 00412-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.44 | 36 |
| | 00413-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.685 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.47 | 36 |
| | 00413-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.685 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.41 | 36 |
| | 00414-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.47 | 36 |
| | 00414-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/5 mm Comfort Select 73 | AT/AT | 2 | 0.02(2), 0.148(4) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.41 | 36 |
| | 00415-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/3 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.764 | ZF-S | Fill 1: ARG (90) | N | | CL | 0.35 | 0.30 | 0.55 | 37 |
| | 00415-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/3 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.764 | ZF-S | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.26 | 0.48 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00416-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/5 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.606 | ZF-S | Fill 1: ARG (90) | N | | CL | 0.35 | 0.29 | 0.54 | 37 |
| | 00416-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/5 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.606 | ZF-S | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.26 | 0.47 | 37 |
| | 00417-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/3 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.764 | ZF-S | Fill 1: ARG (90) | N | | CL | 0.35 | 0.22 | 0.51 | 37 |
| | 00417-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/3 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.764 | ZF-S | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.20 | 0.45 | 37 |
| | 00418-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/5 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.606 | ZF-S | Fill 1: ARG (90) | N | | CL | 0.34 | 0.22 | 0.50 | 37 |
| | 00418-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/5 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.606 | ZF-S | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.20 | 0.44 | 37 |
| | 00419-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/6 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.528 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.29 | 0.53 | 36 |
| | 00419-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/6 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.528 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.26 | 0.46 | 36 |
| | 00420-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/6 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.528 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.22 | 0.49 | 36 |
| | 00420-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/6 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.528 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.20 | 0.43 | 36 |
| | 00421-00001 | WITH AND WITHOUT GRIDS 8 mm Clear/ARG/6 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.35 | 0.53 | 37 |
| | 00421-00002 | WITH AND WITHOUT GRIDS 8 mm Clear/ARG/6 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.31 | 0.47 | 37 |
| | 00422-00001 | WITH AND WITHOUT GRIDS 8 mm Clear/ARG/6 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.31 | 0.50 | 37 |
| | 00422-00002 | WITH AND WITHOUT GRIDS 8 mm Clear/ARG/6 mm LoE? 366 | AT/AT | 2 | 0.02(3) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.27 | 0.44 | 37 |
| | 00423-00001 | WITH AND WITHOUT GRIDS 8 mm LoE? 270/ARG/6 mm Clear | AT/AT | 2 | 0.035(2) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.53 | 37 |
| | 00423-00002 | WITH AND WITHOUT GRIDS 8 mm LoE? 270/ARG/6 mm Clear | AT/AT | 2 | 0.035(2) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.47 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00424-00001 | WITH AND WITHOUT GRIDS 8 mm LoE? 366/ARG/6 mm Clear | AT/AT | 2 | 0.02(2) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.23 | 0.50 | 37 |
| | 00424-00002 | WITH AND WITHOUT GRIDS 8 mm LoE? 366/ARG/6 mm Clear | AT/AT | 2 | 0.02(2) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.20 | 0.44 | 37 |
| | 00425-00001 | WITH AND WITHOUT GRIDS 8 mm LoE? 270/ARG/6 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.52 | 36 |
| | 00425-00002 | WITH AND WITHOUT GRIDS 8 mm LoE? 270/ARG/6 mm i89 | AT/AT | 2 | 0.035(2), 0.149(4) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.46 | 36 |
| | 00426-00001 | WITH AND WITHOUT GRIDS 8 mm LoE? 366/ARG/6 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.22 | 0.49 | 36 |
| | 00426-00002 | WITH AND WITHOUT GRIDS 8 mm LoE? 366/ARG/6 mm i89 | AT/AT | 2 | 0.02(2), 0.149(4) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.20 | 0.43 | 36 |
| | 00427-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.035(2) | 0.488 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.54 | 37 |
| | 00427-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.035(2) | 0.488 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.47 | 37 |
| | 00428-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.035(2) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.54 | 37 |
| | 00428-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.035(2) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.47 | 37 |
| | 00429-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.02(2) | 0.488 | SS-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.22 | 0.50 | 37 |
| | 00429-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.02(2) | 0.488 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.20 | 0.44 | 37 |
| | 00430-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.02(2) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.22 | 0.50 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00430-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.02(2) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.38 | 0.20 | 0.44 | 37 |
| | 00431-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.488 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.28 | 0.49 | 36 |
| | 00431-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.488 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.25 | 0.43 | 36 |
| | 00432-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.48 | 36 |
| | 00432-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.42 | 36 |
| | 00433-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.488 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.45 | 36 |
| | 00433-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.488 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.40 | 36 |
| | 00434-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.449 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.45 | 36 |
| | 00434-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.449 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.40 | 36 |
| | 00435-00001 | "NO GRIDS 5 mm LoE? 270/ARG/Clear laminate (6mm+.030""PVB+6mm)" | AT/AT | 2 | 0.035(2) | 0.331 | SS-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.30 | 0.53 | 37 |
| | 00436-00001 | "NO GRIDS 5 mm LoE? 366/ARG/Clear laminate (6mm+.030""PVB+6mm)" | AT/AT | 2 | 0.02(2) | 0.331 | SS-D | Fill 1: ARG (90) | N | | CL | 0.41 | 0.23 | 0.50 | 37 |
| | 00437-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.541 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.49 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00437-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.541 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.43 | 36 |
| | 00438-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.501 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.49 | 36 |
| | 00438-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 270/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.501 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.43 | 36 |
| | 00439-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.541 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.46 | 36 |
| | 00439-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.541 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.40 | 36 |
| | 00440-00001 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.501 | SS-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.46 | 36 |
| | 00440-00002 | WITH AND WITHOUT GRIDS 6 mm LoE? 366/ARG/3mm Clear/030_PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.501 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.40 | 36 |
| | 00441-00001 | NO GRIDS 3mm Clear/060_PVB/3mm LoE270/ARG/Clear-3 / .060 PVB / Clear-3 | AT/AT | 2 | 0.035(2) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.29 | 0.53 | 37 |
| | 00442-00001 | NO GRIDS Clear-3 / .060 PVB / Clear-3/ARG/3mm Clear/060_PVB/3mm LoE270 | AT/AT | 2 | 0.035(4) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.42 | 0.36 | 0.53 | 30 |
| | 00443-00001 | NO GRIDS 3mm Clear/060_PVB/3mm LoE270/ARG/3mm Clear/.060 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.27 | 0.48 | 36 |
| | 00444-00001 | WITH AND WITHOUT GRIDS 3mm Clear/060_PVB/3mm LoE270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.567 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.54 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00444-00002 | WITH AND WITHOUT GRIDS 3mm Clear/060_PVB/3mm LoE270/ARG/3 mm Clear | AT/AT | 2 | 0.035(2) | 0.567 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.48 | 37 |
| | 00445-00001 | WITH AND WITHOUT GRIDS Clear-3 / .060 PVB / Clear-3/ARG/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.567 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.35 | 0.55 | 36 |
| | 00445-00002 | WITH AND WITHOUT GRIDS Clear-3 / .060 PVB / Clear-3/ARG/3 mm LoE? 270 | AT/AT | 2 | 0.035(3) | 0.567 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.31 | 0.48 | 36 |
| | 00446-00001 | WITH AND WITHOUT GRIDS 3mm Clear/060_PVB/3mm LoE270/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.567 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.27 | 0.49 | 36 |
| | 00446-00002 | WITH AND WITHOUT GRIDS 3mm Clear/060_PVB/3mm LoE270/ARG/3 mm Comfort Select 73 | AT/AT | 2 | 0.035(2), 0.148(4) | 0.567 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.43 | 36 |
| | 00447-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.035(2) | 0.646 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.55 | 37 |
| | 00447-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.035(2) | 0.646 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.48 | 37 |
| | 00448-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.02(2) | 0.646 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00448-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.02(2) | 0.646 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.45 | 37 |
| | 00449-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.624 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.50 | 37 |
| | 00449-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 270/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.624 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.44 | 37 |
| | 00450-00001 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.624 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.46 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00450-00002 | WITH AND WITHOUT GRIDS 3 mm LoE? 366/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.624 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.19 | 0.41 | 37 |
| | 00451-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.035(2) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.29 | 0.54 | 37 |
| | 00451-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.035(2) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.26 | 0.48 | 37 |
| | 00452-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.02(2) | 0.567 | SU-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.22 | 0.51 | 37 |
| | 00452-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.02(2) | 0.567 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.39 | 0.20 | 0.44 | 37 |
| | 00453-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.545 | SU-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.49 | 36 |
| | 00453-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 270/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.545 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.35 | 0.25 | 0.43 | 36 |
| | 00454-00001 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.545 | SU-D | Fill 1: ARG (90) | N | | CL | 0.34 | 0.21 | 0.46 | 36 |
| | 00454-00002 | WITH AND WITHOUT GRIDS 5 mm LoE? 366/ARG/2.7mm Clear/.030 PVB/CS73 3mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.545 | SU-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.34 | 0.19 | 0.40 | 36 |
| | 00455-00001 | WITH AND WITHOUT GRIDS 2.7mm Clear/.030 PVB/LoE270 3mm/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.035(1) | 0.519 | SS-D | Fill 1: ARG (90) | N | | CL | 0.53 | 0.29 | 0.54 | 36 |
| | 00455-00002 | WITH AND WITHOUT GRIDS 2.7mm Clear/.030 PVB/LoE270 3mm/ARG/Clear-2.7 / .030 PVB / Clear-2.7 | AT/AT | 2 | 0.035(1) | 0.519 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.53 | 0.26 | 0.48 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00456-00001 | WITH AND WITHOUT GRIDS Clear-2.7 / .030 PVB / Clear-2.7/ARG/2.7mm Clear/.030 PVB/LoE270 3mm | AT/AT | 2 | 0.035(4) | 0.519 | SS-D | Fill 1: ARG (90) | N | | CL | 0.42 | 0.36 | 0.54 | 32 |
| | 00456-00002 | WITH AND WITHOUT GRIDS Clear-2.7 / .030 PVB / Clear-2.7/ARG/2.7mm Clear/.030 PVB/LoE270 3mm | AT/AT | 2 | 0.035(4) | 0.519 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.32 | 0.48 | 32 |
| | 00457-00001 | WITH AND WITHOUT GRIDS 2.7mm Clear/.030 PVB/LoE270 3mm/ARG/2.7mm Clear/.030 PVB/ CS73 2.7mm | AT/AT | 2 | 0.035(1), 0.148(4) | 0.519 | SS-D | Fill 1: ARG (90) | N | | CL | 0.44 | 0.27 | 0.49 | 36 |
| | 00457-00002 | WITH AND WITHOUT GRIDS 2.7mm Clear/.030 PVB/LoE270 3mm/ARG/2.7mm Clear/.030 PVB/ CS73 2.7mm | AT/AT | 2 | 0.035(1), 0.148(4) | 0.519 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.44 | 0.24 | 0.43 | 36 |
| | 00458-00001 | "NO GRIDS 6 mm LoE? 270/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.035(2) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.29 | 0.53 | 37 |
| | 00459-00001 | "NO GRIDS 6 mm LoE? 366/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.02(2) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.40 | 0.23 | 0.50 | 37 |
| | 00460-00001 | NO GRIDS 6 mm LoE? 270/ARG/5mm Clear/030_PVB/CS73 5mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.36 | 0.28 | 0.49 | 36 |
| | 00461-00001 | NO GRIDS 6 mm LoE? 366/ARG/5mm Clear/030_PVB/CS73 5mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.370 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.46 | 36 |
| | 00462-00001 | "NO GRIDS 6 mm LoE? 270/ARG/Clear laminate (6mm+.060""PVB+6mm)" | AT/AT | 2 | 0.035(2) | 0.291 | SS-D | Fill 1: ARG (90) | N | | CL | 0.43 | 0.30 | 0.53 | 37 |
| | 00463-00001 | NO GRIDS 6 mm LoE? 270/ARG/6mm Clear/060_PVB/ES73 6mm | AT/AT | 2 | 0.035(2), 0.188(4) | 0.291 | SS-D | Fill 1: ARG (90) | N | | CL | 0.38 | 0.27 | 0.49 | 36 |
| | 00464-00001 | "NO GRIDS 2.7mm Clear/.030 PVB/LoE270 2.7mm/ARG/Clear laminate (6mm+.030""PVB+6mm)" | AT/AT | 2 | 0.035(2) | 0.276 | SS-D | Fill 1: ARG (90) | N | | CL | 0.44 | 0.30 | 0.53 | 37 |
| | 00465-00001 | "NO GRIDS Clear laminate (6mm +.030""PVB+6mm)/ARG/2.7mm Clear/.030 PVB/LoE270 2.7mm" | AT/AT | 2 | 0.035(3) | 0.276 | SS-D | Fill 1: ARG (90) | N | | CL | 0.44 | 0.35 | 0.53 | 36 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00466-00001 | NO GRIDS 2.7mm Clear/.030 PVB/LoE270 2.7mm/ARG/6mm Clear/030_PVB/ES73 6mm | AT/AT | 2 | 0.035(2), 0.188(4) | 0.276 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.27 | 0.50 | 36 |
| | 00467-00001 | "NO GRIDS Clear laminate (5mm +.030""PVB+5mm)/ARG/5 mm LoE? 270" | AT/AT | 2 | 0.035(3) | 0.409 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.35 | 0.54 | 36 |
| | 00468-00001 | "NO GRIDS Clear laminate (5mm +.030""PVB+5mm)/ARG/5 mm LoE? 366" | AT/AT | 2 | 0.02(3) | 0.409 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.50 | 36 |
| | 00469-00001 | "NO GRIDS 5 mm LoE? 270/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.035(2) | 0.409 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.30 | 0.54 | 37 |
| | 00470-00001 | "NO GRIDS 5 mm LoE? 366/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.02(2) | 0.409 | SS-D | Fill 1: ARG (90) | N | | CL | 0.39 | 0.23 | 0.50 | 37 |
| | 00471-00001 | NO GRIDS 5 mm LoE? 270/ARG/5mm Clear/030_PVB/CS73 5mm | AT/AT | 2 | 0.035(2), 0.148(4) | 0.409 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.28 | 0.49 | 36 |
| | 00472-00001 | NO GRIDS 5 mm LoE? 366/ARG/5mm Clear/030_PVB/CS73 5mm | AT/AT | 2 | 0.02(2), 0.148(4) | 0.409 | SS-D | Fill 1: ARG (90) | N | | CL | 0.35 | 0.21 | 0.46 | 36 |
| | 00473-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 3 mm LoE? 270/ARG/3 mm Clear/ARG/3 mm LoE? 270" | AT/AT | 3 | 0.035(2), 0.035(5) | 0.323,0.323 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.33 | 0.23 | 0.38 | 38 |
| | 00474-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 3 mm LoE? 366/ARG/3 mm Clear/ARG/3 mm LoE? 366" | AT/AT | 3 | 0.02(2), 0.02(5) | 0.323,0.323 | SU-D | Fill 1: ARG (90),Fill 2: ARG (90) | G | 0.75 | CL | 0.33 | 0.18 | 0.33 | 38 |
| | 00475-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 5 mm LoE? 270/ARG/Clear laminate (6mm+.030""PVB+6mm)" | AT/AT | 2 | 0.035(2) | 0.331 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.44 | 0.26 | 0.47 | 37 |
| | 00476-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 5 mm LoE? 366/ARG/Clear laminate (6mm+.030""PVB+6mm)" | AT/AT | 2 | 0.02(2) | 0.331 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.43 | 0.20 | 0.44 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** | **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00477-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 3mm Clear/060_PVB/3mm LoE270/ARG/Clear-3 / .060 PVB / Clear-3" | AT/AT | 2 | 0.035(2) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.26 | 0.47 | 37 |
| | 00478-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID Clear-3 / .060 PVB / Clear-3/ARG/3mm Clear/060_PVB/3mm LoE270" | AT/AT | 2 | 0.035(4) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.44 | 0.32 | 0.47 | 30 |
| | 00479-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 3mm Clear/060_PVB/3mm LoE270/ARG/3mm Clear/.060 PVB/CS73 3mm" | AT/AT | 2 | 0.035(2), 0.148(4) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.37 | 0.24 | 0.42 | 36 |
| | 00480-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 6 mm LoE? 270/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.035(2) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.26 | 0.47 | 37 |
| | 00481-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 6 mm LoE? 366/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.02(2) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.42 | 0.20 | 0.44 | 37 |
| | 00482-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 6 mm LoE? 270/ARG/5mm Clear/030_PVB/CS73 5mm" | AT/AT | 2 | 0.035(2), 0.148(4) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.37 | 0.25 | 0.43 | 36 |
| | 00483-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 6 mm LoE? 366/ARG/5mm Clear/030_PVB/CS73 5mm" | AT/AT | 2 | 0.02(2), 0.148(4) | 0.370 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.37 | 0.19 | 0.40 | 36 |
| | 00484-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 6 mm LoE? 270/ARG/Clear laminate (6mm+.060""PVB+6mm)" | AT/AT | 2 | 0.035(2) | 0.291 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.26 | 0.46 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00485-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 6 mm LoE? 270/ARG/6mm Clear/060_PVB/ES73 6mm" | AT/AT | 2 | 0.035(2), 0.188(4) | 0.291 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.24 | 0.43 | 36 |
| | 00486-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 2.7mm Clear/.030 PVB/LoE270 2.7mm/ARG/Clear laminate (6mm +.030""PVB+6mm)" | AT/AT | 2 | 0.035(2) | 0.276 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.26 | 0.47 | 37 |
| | 00487-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID Clear laminate (6mm+.030""PVB +6mm)/ARG/2.7mm Clear/.030 PVB/LoE270 2.7mm" | AT/AT | 2 | 0.035(3) | 0.276 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.46 | 0.31 | 0.47 | 36 |
| | 00488-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 2.7mm Clear/.030 PVB/LoE270 2.7mm/ARG/6mm Clear/030_PVB/ES73 6mm" | AT/AT | 2 | 0.035(2), 0.188(4) | 0.276 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.24 | 0.44 | 36 |
| | 00489-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID Clear laminate (5mm+.030""PVB +5mm)/ARG/5 mm LoE? 270" | AT/AT | 2 | 0.035(3) | 0.409 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.31 | 0.47 | 36 |
| | 00490-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID Clear laminate (5mm+.030""PVB +5mm)/ARG/5 mm LoE? 366" | AT/AT | 2 | 0.02(3) | 0.409 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.27 | 0.44 | 36 |
| | 00491-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 5 mm LoE? 270/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.035(2) | 0.409 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.41 | 0.26 | 0.47 | 37 |
| | 00492-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 5 mm LoE? 366/ARG/Clear laminate (5mm+.030""PVB+5mm)" | AT/AT | 2 | 0.02(2) | 0.409 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.40 | 0.20 | 0.44 | 37 |

# NFRC Product Certification Authorization Report

**Manufacturer:** Crystal Window & Door Systems, Ltd.
**Product Series:** 1240 Sliding Glass Door
**Simulation Lab:** SMOL
**Initial Cert. Date:** 03/29/2018

**Street:** 31-10 Whitestone Expy.
**Product Type:** DDSG
**Sim. Report #:** 25743.01-111-24-E0A0
**Re-Certification Date:** 07/27/2026

**City/State/Zip:** Flushing, NY 11354-2531
**Air Leakage:** ≤ 0.3
**Sim. Report Date:** 07/08/2024
**Revised Date:** 12/02/2025

**Print Date:** 09/22/2026
**Test Date:** 03/24/2023
**Expiration Date:** 03/24/2028

**CPD Number: CRW-M-65** **IA: National Accreditation And Management Institute**

| Status | Product Num. | Manufacturer Code | Frame/ Sash | Glaz Lyrs | Low-E (Surface) | Gap Width(s) | Spacer | Gap Fill | Grids | Dividers | Tint | U-Factor | SHGC | VT | Cond. Res |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 00493-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 5 mm LoE? 270/ARG/5mm Clear/030_PVB/CS73 5mm" | AT/AT | 2 | 0.035(2), 0.148(4) | 0.409 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.25 | 0.43 | 36 |
| | 00494-00001 | "WITH 5/8"" X 3/16"" PAINTED ALUMINUM RECTANGULAR GRID 5 mm LoE? 366/ARG/5mm Clear/030_PVB/CS73 5mm" | AT/AT | 2 | 0.02(2), 0.148(4) | 0.409 | SS-D | Fill 1: ARG (90) | G | 0.75 | CL | 0.36 | 0.19 | 0.40 | 36 |

**Baseline Information**

| Test Lab | Test Date | Test Size | Tested U-Value | Standard U-Value | Test Report Number |
|---|---|---|---|---|---|
| **TMOL** | **03/24/2023** | 2010mm x 2010mm | 0.370 | 0.350 | 25744.01-111-18 |

**Comments:** Air Leakage Rpt: 25744.03-111-18.

25743.02-111-24 added options 379 - 494 on 09/22/2026.

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: