

Notice of Product Certification

CERTIFICATION NO.: 1690-004
INITIAL CERTIFICATION DATE: September 20, 2023
REVISION DATE: N/A
REPORT NUMBER: TPE23008-6-C_FIXD-c-20
SPECIFICATION: CSA A440.2-22

COMPANY: Touchette Portes et Fenêtres Inc.
CODE: 1690-1
EXPIRATION DATE: August 1, 2028
PRODUCT SIMULATED BY: Veridis Solutions
AIR LEAKAGE REPORT NO.: NCTL-110-19651-1

PRODUCT/SERIES NAME: 4600 PVC (PICTURE) **OPERATOR TYPE:** FIXD

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|---|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0001-01 | 3mm, 7-8, CG70#2-arg97-GCl, ee | 0.025(#2) | 1.44 | 0.27 | 0.53 | 0.1 | 24 |
| 1690-004-0002-01 | 3mm, 7-8, CG70#2-arg97-GCl, ee, Grids < 1" | 0.025(#2) | 1.44 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0003-01 | 3mm, 7-8, CG70#2-arg97-GCl, ee, Grids >= 1" | 0.025(#2) | 1.44 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0004-01 | 3mm, 7-8, CG70#2-arg97-GCl, ee, SDL < 1" | 0.025(#2) | 1.44 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0005-01 | 3mm, 7-8, CG70#2-arg97-GCl, ee, SDL >= 1" | 0.025(#2) | 1.44 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0006-01 | 3mm, 7-8, GCl-arg97-8071#3, ee | 0.082(#3) | 1.54 | 0.55 | 0.62 | 0.1 | 38 |
| 1690-004-0007-01 | 3mm, 7-8, GCl-arg97-8071#3, ee, Grids < 1" | 0.082(#3) | 1.54 | 0.49 | 0.55 | 0.1 | 34 |
| 1690-004-0008-01 | 3mm, 7-8, GCl-arg97-8071#3, ee, Grids >= 1" | 0.082(#3) | 1.54 | 0.44 | 0.49 | 0.1 | 31 |
| 1690-004-0009-01 | 3mm, 7-8, GCl-arg97-8071#3, ee, SDL < 1" | 0.082(#3) | 1.54 | 0.49 | 0.55 | 0.1 | 34 |
| 1690-004-0010-01 | 3mm, 7-8, GCl-arg97-8071#3, ee, SDL >= 1" | 0.082(#3) | 1.54 | 0.44 | 0.49 | 0.1 | 31 |
| 1690-004-0011-01 | 3mm, 7-8, GUCI-arg97-8071#3, ee | 0.082(#3) | 1.54 | 0.58 | 0.63 | 0.1 | 40 |
| 1690-004-0012-01 | 3mm, 7-8, GUCI-arg97-8071#3, ee, Grids < 1" | 0.082(#3) | 1.54 | 0.52 | 0.56 | 0.1 | 36 |
| 1690-004-0013-01 | 3mm, 7-8, GUCI-arg97-8071#3, ee, Grids >= 1" | 0.082(#3) | 1.54 | 0.46 | 0.49 | 0.1 | 33 |
| 1690-004-0014-01 | 3mm, 7-8, GUCI-arg97-8071#3, ee, SDL < 1" | 0.082(#3) | 1.54 | 0.52 | 0.56 | 0.1 | 36 |
| 1690-004-0015-01 | 3mm, 7-8, GUCI-arg97-8071#3, ee, SDL >= 1" | 0.082(#3) | 1.54 | 0.46 | 0.49 | 0.1 | 33 |
| 1690-004-0016-01 | 3mm, 1 1-4, 8071#2-arg97-GCl-arg97-8071#5, ee | 0.082(#2) 0.082(#5) | 0.96 | 0.45 | 0.55 | 0.1 | 45 |
| 1690-004-0017-01 | 3mm, 1 1-4, 8071#2-arg97-GCl-arg97-8071#5, ee, Grids < 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.41 | 0.49 | 0.1 | 42 |
| 1690-004-0018-01 | 3mm, 1 1-4, 8071#2-arg97-GCl-arg97-8071#5, ee, Grids >= 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.36 | 0.43 | 0.1 | 40 |
| 1690-004-0019-01 | 3mm, 1 1-4, 8071#2-arg97-GCl-arg97-8071#5, ee, SDL < 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.41 | 0.49 | 0.1 | 42 |
| 1690-004-0020-01 | 3mm, 1 1-4, 8071#2-arg97-GCl-arg97-8071#5, ee, SDL >= 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.36 | 0.43 | 0.1 | 40 |
| 1690-004-0021-01 | 3mm, 1 1-4, 8071#2-arg97-GUCI-arg97-8071#5, ee | 0.082(#2) 0.082(#5) | 0.96 | 0.46 | 0.56 | 0.1 | 45 |
| 1690-004-0022-01 | 3mm, 1 1-4, 8071#2-arg97-GUCI-arg97-8071#5, ee, Grids < 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.42 | 0.50 | 0.1 | 43 |
| 1690-004-0023-01 | 3mm, 1 1-4, 8071#2-arg97-GUCI-arg97-8071#5, ee, Grids >= 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.37 | 0.44 | 0.1 | 40 |
| 1690-004-0024-01 | 3mm, 1 1-4, 8071#2-arg97-GUCI-arg97-8071#5, ee, SDL < 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.42 | 0.50 | 0.1 | 43 |
| 1690-004-0025-01 | 3mm, 1 1-4, 8071#2-arg97-GUCI-arg97-8071#5, ee, SDL >= 1" | 0.082(#2) 0.082(#5) | 0.96 | 0.37 | 0.44 | 0.1 | 40 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0026-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-CG70#5, ee | 0.025(#2) 0.025(#5) | 0.89 | 0.23 | 0.41 | 0.1 | 34 |
| 1690-004-0027-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-CG70#5, ee, Grids < 1" | 0.025(#2) 0.025(#5) | 0.89 | 0.20 | 0.36 | 0.1 | 32 |
| 1690-004-0028-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-CG70#5, ee, Grids >= 1" | 0.025(#2) 0.025(#5) | 0.89 | 0.18 | 0.32 | 0.1 | 31 |
| 1690-004-0029-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-CG70#5, ee, SDL < 1" | 0.025(#2) 0.025(#5) | 0.89 | 0.20 | 0.36 | 0.1 | 32 |
| 1690-004-0030-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-CG70#5, ee, SDL >= 1" | 0.025(#2) 0.025(#5) | 0.89 | 0.18 | 0.32 | 0.1 | 31 |
| 1690-004-0031-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-GCl, ee | 0.025(#2) | 1.15 | 0.25 | 0.49 | 0.1 | 29 |
| 1690-004-0032-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-GCl, ee, Grids < 1" | 0.025(#2) | 1.15 | 0.23 | 0.43 | 0.1 | 28 |
| 1690-004-0033-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-GCl, ee, Grids >= 1" | 0.025(#2) | 1.15 | 0.20 | 0.38 | 0.1 | 26 |
| 1690-004-0034-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-GCl, ee, SDL < 1" | 0.025(#2) | 1.15 | 0.23 | 0.43 | 0.1 | 28 |
| 1690-004-0035-01 | 3mm, 1 1-4, CG70#2-arg97-GCl-arg97-GCl, ee, SDL >= 1" | 0.025(#2) | 1.15 | 0.20 | 0.38 | 0.1 | 26 |
| 1690-004-0036-01 | 3mm, 1 1-4, GCl-arg97-GCl-arg97-8071#5, ee | 0.082(#5) | 1.18 | 0.50 | 0.57 | 0.1 | 43 |
| 1690-004-0037-01 | 3mm, 1 1-4, GCl-arg97-GCl-arg97-8071#5, ee, Grids < 1" | 0.082(#5) | 1.18 | 0.44 | 0.50 | 0.1 | 39 |
| 1690-004-0038-01 | 3mm, 1 1-4, GCl-arg97-GCl-arg97-8071#5, ee, Grids >= 1" | 0.082(#5) | 1.18 | 0.40 | 0.45 | 0.1 | 37 |
| 1690-004-0039-01 | 3mm, 1 1-4, GCl-arg97-GCl-arg97-8071#5, ee, SDL < 1" | 0.082(#5) | 1.18 | 0.44 | 0.50 | 0.1 | 39 |
| 1690-004-0040-01 | 3mm, 1 1-4, GCl-arg97-GCl-arg97-8071#5, ee, SDL >= 1" | 0.082(#5) | 1.18 | 0.40 | 0.45 | 0.1 | 37 |
| 1690-004-0041-01 | 3mm, 1 1-4, GUCI-arg97-GUCI-arg97-8071#5, ee | 0.082(#5) | 1.18 | 0.54 | 0.58 | 0.1 | 45 |
| 1690-004-0042-01 | 3mm, 1 1-4, GUCI-arg97-GUCI-arg97-8071#5, ee, Grids < 1" | 0.082(#5) | 1.18 | 0.48 | 0.51 | 0.1 | 42 |
| 1690-004-0043-01 | 3mm, 1 1-4, GUCI-arg97-GUCI-arg97-8071#5, ee, Grids >= 1" | 0.082(#5) | 1.18 | 0.43 | 0.46 | 0.1 | 39 |
| 1690-004-0044-01 | 3mm, 1 1-4, GUCI-arg97-GUCI-arg97-8071#5, ee, SDL < 1" | 0.082(#5) | 1.18 | 0.48 | 0.51 | 0.1 | 42 |
| 1690-004-0045-01 | 3mm, 1 1-4, GUCI-arg97-GUCI-arg97-8071#5, ee, SDL >= 1" | 0.082(#5) | 1.18 | 0.43 | 0.46 | 0.1 | 39 |
| 1690-004-0046-01 | 3mm, 7-8, CG70#2-arg95-PCI, iu | 0.025(#2) | 1.46 | 0.27 | 0.53 | 0.1 | 23 |
| 1690-004-0047-01 | 3mm, 7-8, CG70#2-arg95-PCI, iu, Grids < 1" | 0.025(#2) | 1.46 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0048-01 | 3mm, 7-8, CG70#2-arg95-PCI, iu, Grids >= 1" | 0.025(#2) | 1.46 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0049-01 | 3mm, 7-8, CG70#2-arg95-PCI, iu, SDL < 1" | 0.025(#2) | 1.46 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0050-01 | 3mm, 7-8, CG70#2-arg95-PCI, iu, SDL >= 1" | 0.025(#2) | 1.46 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0051-01 | 3mm, 7-8, PCI-arg95-8071#3, iu | 0.082(#3) | 1.55 | 0.56 | 0.62 | 0.1 | 38 |
| 1690-004-0052-01 | 3mm, 7-8, PCI-arg95-8071#3, iu, Grids < 1" | 0.082(#3) | 1.55 | 0.50 | 0.55 | 0.1 | 35 |
| 1690-004-0053-01 | 3mm, 7-8, PCI-arg95-8071#3, iu, Grids >= 1" | 0.082(#3) | 1.55 | 0.45 | 0.49 | 0.1 | 32 |
| 1690-004-0054-01 | 3mm, 7-8, PCI-arg95-8071#3, iu, SDL < 1" | 0.082(#3) | 1.55 | 0.50 | 0.55 | 0.1 | 35 |
| 1690-004-0055-01 | 3mm, 7-8, PCI-arg95-8071#3, iu, SDL >= 1" | 0.082(#3) | 1.55 | 0.45 | 0.49 | 0.1 | 32 |
| 1690-004-0056-01 | 3mm, 7-8, PCI-arg95-PTLUX#3, iu | 0.082(#3) | 1.56 | 0.57 | 0.61 | 0.1 | 39 |
| 1690-004-0057-01 | 3mm, 7-8, PCI-arg95-PTLUX#3, iu, Grids < 1" | 0.082(#3) | 1.56 | 0.51 | 0.55 | 0.1 | 35 |
| 1690-004-0058-01 | 3mm, 7-8, PCI-arg95-PTLUX#3, iu, Grids >= 1" | 0.082(#3) | 1.56 | 0.46 | 0.48 | 0.1 | 32 |
| 1690-004-0059-01 | 3mm, 7-8, PCI-arg95-PTLUX#3, iu, SDL < 1" | 0.082(#3) | 1.56 | 0.51 | 0.55 | 0.1 | 35 |
| 1690-004-0060-01 | 3mm, 7-8, PCI-arg95-PTLUX#3, iu, SDL >= 1" | 0.082(#3) | 1.56 | 0.46 | 0.48 | 0.1 | 32 |
| 1690-004-0061-01 | 3mm, 7-8, PCI-arg95-SG400#3, iu | 0.113(#3) | 1.60 | 0.55 | 0.61 | 0.1 | 37 |
| 1690-004-0062-01 | 3mm, 7-8, PCI-arg95-SG400#3, iu, Grids < 1" | 0.113(#3) | 1.60 | 0.50 | 0.54 | 0.1 | 34 |
| 1690-004-0063-01 | 3mm, 7-8, PCI-arg95-SG400#3, iu, Grids >= 1" | 0.113(#3) | 1.60 | 0.44 | 0.48 | 0.1 | 30 |
| 1690-004-0064-01 | 3mm, 7-8, PCI-arg95-SG400#3, iu, SDL < 1" | 0.113(#3) | 1.60 | 0.50 | 0.54 | 0.1 | 34 |
| 1690-004-0065-01 | 3mm, 7-8, PCI-arg95-SG400#3, iu, SDL >= 1" | 0.113(#3) | 1.60 | 0.44 | 0.48 | 0.1 | 30 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0066-01 | 3mm, 7-8, SB60#2-arg95-PCI, iu | 0.035(#2) | 1.48 | 0.31 | 0.56 | 0.1 | 25 |
| 1690-004-0067-01 | 3mm, 7-8, SB60#2-arg95-PCI, iu, Grids < 1" | 0.035(#2) | 1.48 | 0.28 | 0.50 | 0.1 | 24 |
| 1690-004-0068-01 | 3mm, 7-8, SB60#2-arg95-PCI, iu, Grids >= 1" | 0.035(#2) | 1.48 | 0.25 | 0.44 | 0.1 | 22 |
| 1690-004-0069-01 | 3mm, 7-8, SB60#2-arg95-PCI, iu, SDL < 1" | 0.035(#2) | 1.48 | 0.28 | 0.50 | 0.1 | 24 |
| 1690-004-0070-01 | 3mm, 7-8, SB60#2-arg95-PCI, iu, SDL >= 1" | 0.035(#2) | 1.48 | 0.25 | 0.44 | 0.1 | 22 |
| 1690-004-0071-01 | 3mm, 1 1-4, 8071#2-arg95-PCI-arg95-8071#5, iu | 0.082(#2) 0.082(#5) | 1.01 | 0.46 | 0.55 | 0.1 | 44 |
| 1690-004-0072-01 | 3mm, 1 1-4, 8071#2-arg95-PCI-arg95-8071#5, iu, Grids < 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.41 | 0.49 | 0.1 | 41 |
| 1690-004-0073-01 | 3mm, 1 1-4, 8071#2-arg95-PCI-arg95-8071#5, iu, Grids >= 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.37 | 0.44 | 0.1 | 39 |
| 1690-004-0074-01 | 3mm, 1 1-4, 8071#2-arg95-PCI-arg95-8071#5, iu, SDL < 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.41 | 0.49 | 0.1 | 41 |
| 1690-004-0075-01 | 3mm, 1 1-4, 8071#2-arg95-PCI-arg95-8071#5, iu, SDL >= 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.37 | 0.44 | 0.1 | 39 |
| 1690-004-0076-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-CG70#5, iu | 0.025(#2) 0.025(#5) | 0.94 | 0.23 | 0.41 | 0.1 | 33 |
| 1690-004-0077-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-CG70#5, iu, Grids < 1" | 0.025(#2) 0.025(#5) | 0.94 | 0.20 | 0.36 | 0.1 | 31 |
| 1690-004-0078-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-CG70#5, iu, Grids >= 1" | 0.025(#2) 0.025(#5) | 0.94 | 0.18 | 0.32 | 0.1 | 30 |
| 1690-004-0079-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-CG70#5, iu, SDL < 1" | 0.025(#2) 0.025(#5) | 0.94 | 0.20 | 0.36 | 0.1 | 31 |
| 1690-004-0080-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-CG70#5, iu, SDL >= 1" | 0.025(#2) 0.025(#5) | 0.94 | 0.18 | 0.32 | 0.1 | 30 |
| 1690-004-0081-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-PCI, iu | 0.025(#2) | 1.19 | 0.25 | 0.49 | 0.1 | 28 |
| 1690-004-0082-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-PCI, iu, Grids < 1" | 0.025(#2) | 1.19 | 0.23 | 0.44 | 0.1 | 27 |
| 1690-004-0083-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-PCI, iu, Grids >= 1" | 0.025(#2) | 1.19 | 0.21 | 0.39 | 0.1 | 26 |
| 1690-004-0084-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-PCI, iu, SDL < 1" | 0.025(#2) | 1.19 | 0.23 | 0.44 | 0.1 | 27 |
| 1690-004-0085-01 | 3mm, 1 1-4, CG70#2-arg95-PCI-arg95-PCI, iu, SDL >= 1" | 0.025(#2) | 1.19 | 0.21 | 0.39 | 0.1 | 26 |
| 1690-004-0086-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-8071#5, iu | 0.082(#5) | 1.22 | 0.51 | 0.57 | 0.1 | 43 |
| 1690-004-0087-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-8071#5, iu, Grids < 1" | 0.082(#5) | 1.22 | 0.46 | 0.51 | 0.1 | 40 |
| 1690-004-0088-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-8071#5, iu, Grids >= 1" | 0.082(#5) | 1.22 | 0.41 | 0.45 | 0.1 | 37 |
| 1690-004-0089-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-8071#5, iu, SDL < 1" | 0.082(#5) | 1.22 | 0.46 | 0.51 | 0.1 | 40 |
| 1690-004-0090-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-8071#5, iu, SDL >= 1" | 0.082(#5) | 1.22 | 0.41 | 0.45 | 0.1 | 37 |
| 1690-004-0091-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-PTLUX#5, iu | 0.082(#5) | 1.22 | 0.52 | 0.56 | 0.1 | 43 |
| 1690-004-0092-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-PTLUX#5, iu, Grids < 1" | 0.082(#5) | 1.22 | 0.47 | 0.50 | 0.1 | 40 |
| 1690-004-0093-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-PTLUX#5, iu, Grids >= 1" | 0.082(#5) | 1.22 | 0.42 | 0.44 | 0.1 | 37 |
| 1690-004-0094-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-PTLUX#5, iu, SDL < 1" | 0.082(#5) | 1.22 | 0.47 | 0.50 | 0.1 | 40 |
| 1690-004-0095-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-PTLUX#5, iu, SDL >= 1" | 0.082(#5) | 1.22 | 0.42 | 0.44 | 0.1 | 37 |
| 1690-004-0096-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-SG400#5, iu | 0.113(#5) | 1.26 | 0.50 | 0.56 | 0.1 | 41 |
| 1690-004-0097-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-SG400#5, iu, Grids < 1" | 0.113(#5) | 1.26 | 0.45 | 0.50 | 0.1 | 38 |
| 1690-004-0098-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-SG400#5, iu, Grids >= 1" | 0.113(#5) | 1.26 | 0.40 | 0.44 | 0.1 | 35 |
| 1690-004-0099-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-SG400#5, iu, SDL < 1" | 0.113(#5) | 1.26 | 0.45 | 0.50 | 0.1 | 38 |
| 1690-004-0100-01 | 3mm, 1 1-4, PCI-arg95-PCI-arg95-SG400#5, iu, SDL >= 1" | 0.113(#5) | 1.26 | 0.40 | 0.44 | 0.1 | 35 |
| 1690-004-0101-01 | 3mm, 1 1-4, PTLUX#2-arg95-PCI-arg95-PTLUX#5, iu | 0.082(#2) 0.082(#5) | 1.01 | 0.46 | 0.54 | 0.1 | 44 |
| 1690-004-0102-01 | 3mm, 1 1-4, PTLUX#2-arg95-PCI-arg95-PTLUX#5, iu, Grids < 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.42 | 0.48 | 0.1 | 42 |
| 1690-004-0103-01 | 3mm, 1 1-4, PTLUX#2-arg95-PCI-arg95-PTLUX#5, iu, Grids >= 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.37 | 0.43 | 0.1 | 39 |
| 1690-004-0104-01 | 3mm, 1 1-4, PTLUX#2-arg95-PCI-arg95-PTLUX#5, iu, SDL < 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.42 | 0.48 | 0.1 | 42 |
| 1690-004-0105-01 | 3mm, 1 1-4, PTLUX#2-arg95-PCI-arg95-PTLUX#5, iu, SDL >= 1" | 0.082(#2) 0.082(#5) | 1.01 | 0.37 | 0.43 | 0.1 | 39 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0106-01 | 3mm, 1 1-4, SG400#2-arg95-PCI-arg95-SG400#5, iu | 0.113(#2) 0.113(#5) | 1.05 | 0.43 | 0.53 | 0.1 | 42 |
| 1690-004-0107-01 | 3mm, 1 1-4, SG400#2-arg95-PCI-arg95-SG400#5, iu, Grids < 1" | 0.113(#2) 0.113(#5) | 1.05 | 0.39 | 0.48 | 0.1 | 39 |
| 1690-004-0108-01 | 3mm, 1 1-4, SG400#2-arg95-PCI-arg95-SG400#5, iu, Grids >= 1" | 0.113(#2) 0.113(#5) | 1.05 | 0.35 | 0.42 | 0.1 | 37 |
| 1690-004-0109-01 | 3mm, 1 1-4, SG400#2-arg95-PCI-arg95-SG400#5, iu, SDL < 1" | 0.113(#2) 0.113(#5) | 1.05 | 0.39 | 0.48 | 0.1 | 39 |
| 1690-004-0110-01 | 3mm, 1 1-4, SG400#2-arg95-PCI-arg95-SG400#5, iu, SDL >= 1" | 0.113(#2) 0.113(#5) | 1.05 | 0.35 | 0.42 | 0.1 | 37 |
| 1690-004-0111-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-PCI, iu | 0.035(#2) | 1.20 | 0.29 | 0.52 | 0.1 | 30 |
| 1690-004-0112-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-PCI, iu, Grids < 1" | 0.035(#2) | 1.20 | 0.26 | 0.46 | 0.1 | 29 |
| 1690-004-0113-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-PCI, iu, Grids >= 1" | 0.035(#2) | 1.20 | 0.23 | 0.41 | 0.1 | 27 |
| 1690-004-0114-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-PCI, iu, SDL < 1" | 0.035(#2) | 1.20 | 0.26 | 0.46 | 0.1 | 29 |
| 1690-004-0115-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-PCI, iu, SDL >= 1" | 0.035(#2) | 1.20 | 0.23 | 0.41 | 0.1 | 27 |
| 1690-004-0116-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-SB60#5, iu | 0.035(#2) 0.035(#5) | 0.95 | 0.27 | 0.46 | 0.1 | 35 |
| 1690-004-0117-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-SB60#5, iu, Grids < 1" | 0.035(#2) 0.035(#5) | 0.95 | 0.24 | 0.41 | 0.1 | 33 |
| 1690-004-0118-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-SB60#5, iu, Grids >= 1" | 0.035(#2) 0.035(#5) | 0.95 | 0.22 | 0.36 | 0.1 | 32 |
| 1690-004-0119-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-SB60#5, iu, SDL < 1" | 0.035(#2) 0.035(#5) | 0.95 | 0.24 | 0.41 | 0.1 | 33 |
| 1690-004-0120-01 | 3mm, 1 1-4, SB60#2-arg95-PCI-arg95-SB60#5, iu, SDL >= 1" | 0.035(#2) 0.035(#5) | 0.95 | 0.22 | 0.36 | 0.1 | 32 |
| 1690-004-0121-01 | 3mm, 7-8, CG70#2-arg95-GCl, ms | 0.025(#2) | 1.46 | 0.27 | 0.53 | 0.1 | 23 |
| 1690-004-0122-01 | 3mm, 7-8, CG70#2-arg95-GCl, ms, Grids < 1" | 0.025(#2) | 1.46 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0123-01 | 3mm, 7-8, CG70#2-arg95-GCl, ms, Grids >= 1" | 0.025(#2) | 1.46 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0124-01 | 3mm, 7-8, CG70#2-arg95-GCl, ms, SDL < 1" | 0.025(#2) | 1.46 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0125-01 | 3mm, 7-8, CG70#2-arg95-GCl, ms, SDL >= 1" | 0.025(#2) | 1.46 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0126-01 | 3mm, 7-8, GCl-arg95-8071#3, ms | 0.082(#3) | 1.56 | 0.55 | 0.62 | 0.1 | 37 |
| 1690-004-0127-01 | 3mm, 7-8, GCl-arg95-8071#3, ms, Grids < 1" | 0.082(#3) | 1.56 | 0.49 | 0.55 | 0.1 | 34 |
| 1690-004-0128-01 | 3mm, 7-8, GCl-arg95-8071#3, ms, Grids >= 1" | 0.082(#3) | 1.56 | 0.44 | 0.49 | 0.1 | 31 |
| 1690-004-0129-01 | 3mm, 7-8, GCl-arg95-8071#3, ms, SDL < 1" | 0.082(#3) | 1.56 | 0.49 | 0.55 | 0.1 | 34 |
| 1690-004-0130-01 | 3mm, 7-8, GCl-arg95-8071#3, ms, SDL >= 1" | 0.082(#3) | 1.56 | 0.44 | 0.49 | 0.1 | 31 |
| 1690-004-0131-01 | 3mm, 7-8, GUCI-arg95-8071#3, ms | 0.082(#3) | 1.56 | 0.58 | 0.63 | 0.1 | 39 |
| 1690-004-0132-01 | 3mm, 7-8, GUCI-arg95-8071#3, ms, Grids < 1" | 0.082(#3) | 1.56 | 0.52 | 0.56 | 0.1 | 36 |
| 1690-004-0133-01 | 3mm, 7-8, GUCI-arg95-8071#3, ms, Grids >= 1" | 0.082(#3) | 1.56 | 0.46 | 0.49 | 0.1 | 32 |
| 1690-004-0134-01 | 3mm, 7-8, GUCI-arg95-8071#3, ms, SDL < 1" | 0.082(#3) | 1.56 | 0.52 | 0.56 | 0.1 | 36 |
| 1690-004-0135-01 | 3mm, 7-8, GUCI-arg95-8071#3, ms, SDL >= 1" | 0.082(#3) | 1.56 | 0.46 | 0.49 | 0.1 | 32 |
| 1690-004-0136-01 | 3mm, 1 1-4, 8071#2-arg95-GCl-arg95-8071#5, ms | 0.082(#2) 0.082(#5) | 0.99 | 0.45 | 0.55 | 0.1 | 44 |
| 1690-004-0137-01 | 3mm, 1 1-4, 8071#2-arg95-GCl-arg95-8071#5, ms, Grids < 1" | 0.082(#2) 0.082(#5) | 0.99 | 0.41 | 0.49 | 0.1 | 42 |
| 1690-004-0138-01 | 3mm, 1 1-4, 8071#2-arg95-GCl-arg95-8071#5, ms, Grids >= 1" | 0.082(#2) 0.082(#5) | 0.99 | 0.36 | 0.43 | 0.1 | 39 |
| 1690-004-0139-01 | 3mm, 1 1-4, 8071#2-arg95-GCl-arg95-8071#5, ms, SDL < 1" | 0.082(#2) 0.082(#5) | 0.99 | 0.41 | 0.49 | 0.1 | 42 |
| 1690-004-0140-01 | 3mm, 1 1-4, 8071#2-arg95-GCl-arg95-8071#5, ms, SDL >= 1" | 0.082(#2) 0.082(#5) | 0.99 | 0.36 | 0.43 | 0.1 | 39 |
| 1690-004-0141-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-CG70#5, ms | 0.025(#2) 0.025(#5) | 0.92 | 0.23 | 0.41 | 0.1 | 33 |
| 1690-004-0142-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-CG70#5, ms, Grids < 1" | 0.025(#2) 0.025(#5) | 0.92 | 0.20 | 0.36 | 0.1 | 31 |
| 1690-004-0143-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-CG70#5, ms, Grids >= 1" | 0.025(#2) 0.025(#5) | 0.92 | 0.18 | 0.32 | 0.1 | 30 |
| 1690-004-0144-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-CG70#5, ms, SDL < 1" | 0.025(#2) 0.025(#5) | 0.92 | 0.20 | 0.36 | 0.1 | 31 |
| 1690-004-0145-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-CG70#5, ms, SDL >= 1" | 0.025(#2) 0.025(#5) | 0.92 | 0.18 | 0.32 | 0.1 | 30 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|---|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0146-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-GCl, ms | 0.025(#2) | 1.17 | 0.25 | 0.49 | 0.1 | 29 |
| 1690-004-0147-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-GCl, ms, Grids < 1" | 0.025(#2) | 1.17 | 0.23 | 0.43 | 0.1 | 27 |
| 1690-004-0148-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-GCl, ms, Grids >= 1" | 0.025(#2) | 1.17 | 0.20 | 0.38 | 0.1 | 26 |
| 1690-004-0149-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-GCl, ms, SDL < 1" | 0.025(#2) | 1.17 | 0.23 | 0.43 | 0.1 | 27 |
| 1690-004-0150-01 | 3mm, 1 1-4, CG70#2-arg95-GCl-arg95-GCl, ms, SDL >= 1" | 0.025(#2) | 1.17 | 0.20 | 0.38 | 0.1 | 26 |
| 1690-004-0151-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-8071#5, ms | 0.082(#5) | 1.20 | 0.50 | 0.57 | 0.1 | 42 |
| 1690-004-0152-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-8071#5, ms, Grids < 1" | 0.082(#5) | 1.20 | 0.44 | 0.50 | 0.1 | 39 |
| 1690-004-0153-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-8071#5, ms, Grids >= 1" | 0.082(#5) | 1.20 | 0.40 | 0.45 | 0.1 | 37 |
| 1690-004-0154-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-8071#5, ms, SDL < 1" | 0.082(#5) | 1.20 | 0.44 | 0.50 | 0.1 | 39 |
| 1690-004-0155-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-8071#5, ms, SDL >= 1" | 0.082(#5) | 1.20 | 0.40 | 0.45 | 0.1 | 37 |
| 1690-004-0156-01 | 3mm, 7-8, GCl-arg95-8071#3, sp | 0.082(#3) | 1.53 | 0.55 | 0.62 | 0.1 | 38 |
| 1690-004-0157-01 | 3mm, 7-8, GCl-arg95-8071#3, sp, Grids < 1" | 0.082(#3) | 1.53 | 0.49 | 0.55 | 0.1 | 35 |
| 1690-004-0158-01 | 3mm, 7-8, GCl-arg95-8071#3, sp, Grids >= 1" | 0.082(#3) | 1.53 | 0.44 | 0.49 | 0.1 | 32 |
| 1690-004-0159-01 | 3mm, 7-8, GCl-arg95-8071#3, sp, SDL < 1" | 0.082(#3) | 1.53 | 0.49 | 0.55 | 0.1 | 35 |
| 1690-004-0160-01 | 3mm, 7-8, GCl-arg95-8071#3, sp, SDL >= 1" | 0.082(#3) | 1.53 | 0.44 | 0.49 | 0.1 | 32 |
| 1690-004-0161-01 | 3mm, 7-8, GUCI-arg95-8071#3, sp | 0.082(#3) | 1.53 | 0.58 | 0.63 | 0.1 | 40 |
| 1690-004-0162-01 | 3mm, 7-8, GUCI-arg95-8071#3, sp, Grids < 1" | 0.082(#3) | 1.53 | 0.52 | 0.56 | 0.1 | 36 |
| 1690-004-0163-01 | 3mm, 7-8, GUCI-arg95-8071#3, sp, Grids >= 1" | 0.082(#3) | 1.53 | 0.46 | 0.49 | 0.1 | 33 |
| 1690-004-0164-01 | 3mm, 7-8, GUCI-arg95-8071#3, sp, SDL < 1" | 0.082(#3) | 1.53 | 0.52 | 0.56 | 0.1 | 36 |
| 1690-004-0165-01 | 3mm, 7-8, GUCI-arg95-8071#3, sp, SDL >= 1" | 0.082(#3) | 1.53 | 0.46 | 0.49 | 0.1 | 33 |
| 1690-004-0166-01 | 3mm, 7-8, CG70#2-arg97-PCI, su | 0.025(#2) | 1.43 | 0.27 | 0.53 | 0.1 | 24 |
| 1690-004-0167-01 | 3mm, 7-8, CG70#2-arg97-PCI, su, Grids < 1" | 0.025(#2) | 1.43 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0168-01 | 3mm, 7-8, CG70#2-arg97-PCI, su, Grids >= 1" | 0.025(#2) | 1.43 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0169-01 | 3mm, 7-8, CG70#2-arg97-PCI, su, SDL < 1" | 0.025(#2) | 1.43 | 0.24 | 0.47 | 0.1 | 22 |
| 1690-004-0170-01 | 3mm, 7-8, CG70#2-arg97-PCI, su, SDL >= 1" | 0.025(#2) | 1.43 | 0.22 | 0.42 | 0.1 | 21 |
| 1690-004-0171-01 | 3mm, 7-8, PCI-arg97-8071#3, su | 0.082(#3) | 1.52 | 0.56 | 0.62 | 0.1 | 39 |
| 1690-004-0172-01 | 3mm, 7-8, PCI-arg97-8071#3, su, Grids < 1" | 0.082(#3) | 1.52 | 0.50 | 0.55 | 0.1 | 35 |
| 1690-004-0173-01 | 3mm, 7-8, PCI-arg97-8071#3, su, Grids >= 1" | 0.082(#3) | 1.52 | 0.45 | 0.49 | 0.1 | 33 |
| 1690-004-0174-01 | 3mm, 7-8, PCI-arg97-8071#3, su, SDL < 1" | 0.082(#3) | 1.52 | 0.50 | 0.55 | 0.1 | 35 |
| 1690-004-0175-01 | 3mm, 7-8, PCI-arg97-8071#3, su, SDL >= 1" | 0.082(#3) | 1.52 | 0.45 | 0.49 | 0.1 | 33 |
| 1690-004-0176-01 | 3mm, 7-8, PCI-arg97-PTLUX#3, su | 0.082(#3) | 1.52 | 0.57 | 0.61 | 0.1 | 39 |
| 1690-004-0177-01 | 3mm, 7-8, PCI-arg97-PTLUX#3, su, Grids < 1" | 0.082(#3) | 1.52 | 0.51 | 0.55 | 0.1 | 36 |
| 1690-004-0178-01 | 3mm, 7-8, PCI-arg97-PTLUX#3, su, Grids >= 1" | 0.082(#3) | 1.52 | 0.46 | 0.48 | 0.1 | 33 |
| 1690-004-0179-01 | 3mm, 7-8, PCI-arg97-PTLUX#3, su, SDL < 1" | 0.082(#3) | 1.52 | 0.51 | 0.55 | 0.1 | 36 |
| 1690-004-0180-01 | 3mm, 7-8, PCI-arg97-PTLUX#3, su, SDL >= 1" | 0.082(#3) | 1.52 | 0.46 | 0.48 | 0.1 | 33 |
| 1690-004-0181-01 | 3mm, 7-8, PCI-arg97-SG400#3, su | 0.113(#3) | 1.57 | 0.55 | 0.61 | 0.1 | 37 |
| 1690-004-0182-01 | 3mm, 7-8, PCI-arg97-SG400#3, su, Grids < 1" | 0.113(#3) | 1.57 | 0.50 | 0.54 | 0.1 | 34 |
| 1690-004-0183-01 | 3mm, 7-8, PCI-arg97-SG400#3, su, Grids >= 1" | 0.113(#3) | 1.57 | 0.44 | 0.48 | 0.1 | 31 |
| 1690-004-0184-01 | 3mm, 7-8, PCI-arg97-SG400#3, su, SDL < 1" | 0.113(#3) | 1.57 | 0.50 | 0.54 | 0.1 | 34 |
| 1690-004-0185-01 | 3mm, 7-8, PCI-arg97-SG400#3, su, SDL >= 1" | 0.113(#3) | 1.57 | 0.44 | 0.48 | 0.1 | 31 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0186-01 | 3mm, 1, PTOne#2-arg95-PLUX, su | 0.029(#2) | 1.46 | 0.35 | 0.55 | 0.1 | 28 |
| 1690-004-0187-01 | 3mm, 1, PTOne#2-arg95-PLUX, su, Grids < 1" | 0.029(#2) | 1.46 | 0.31 | 0.49 | 0.1 | 26 |
| 1690-004-0188-01 | 3mm, 1, PTOne#2-arg95-PLUX, su, Grids >= 1" | 0.029(#2) | 1.46 | 0.28 | 0.43 | 0.1 | 24 |
| 1690-004-0189-01 | 3mm, 1, PTOne#2-arg95-PLUX, su, SDL < 1" | 0.029(#2) | 1.46 | 0.31 | 0.49 | 0.1 | 26 |
| 1690-004-0190-01 | 3mm, 1, PTOne#2-arg95-PLUX, su, SDL >= 1" | 0.029(#2) | 1.46 | 0.28 | 0.43 | 0.1 | 24 |
| 1690-004-0191-01 | 3mm, 7-8, PTOne#2-arg95-PLUX, su | 0.029(#2) | 1.44 | 0.35 | 0.55 | 0.1 | 28 |
| 1690-004-0192-01 | 3mm, 7-8, PTOne#2-arg95-PLUX, su, Grids < 1" | 0.029(#2) | 1.44 | 0.31 | 0.49 | 0.1 | 26 |
| 1690-004-0193-01 | 3mm, 7-8, PTOne#2-arg95-PLUX, su, Grids >= 1" | 0.029(#2) | 1.44 | 0.28 | 0.43 | 0.1 | 24 |
| 1690-004-0194-01 | 3mm, 7-8, PTOne#2-arg95-PLUX, su, SDL < 1" | 0.029(#2) | 1.44 | 0.31 | 0.49 | 0.1 | 26 |
| 1690-004-0195-01 | 3mm, 7-8, PTOne#2-arg95-PLUX, su, SDL >= 1" | 0.029(#2) | 1.44 | 0.28 | 0.43 | 0.1 | 24 |
| 1690-004-0196-01 | 3mm, 1, PLUX-arg95-PTLUX#3, su | 0.082(#3) | 1.55 | 0.57 | 0.61 | 0.1 | 39 |
| 1690-004-0197-01 | 3mm, 1, PLUX-arg95-PTLUX#3, su, Grids < 1" | 0.082(#3) | 1.55 | 0.51 | 0.55 | 0.1 | 35 |
| 1690-004-0198-01 | 3mm, 1, PLUX-arg95-PTLUX#3, su, Grids >= 1" | 0.082(#3) | 1.55 | 0.45 | 0.48 | 0.1 | 32 |
| 1690-004-0199-01 | 3mm, 1, PLUX-arg95-PTLUX#3, su, SDL < 1" | 0.082(#3) | 1.55 | 0.51 | 0.55 | 0.1 | 35 |
| 1690-004-0200-01 | 3mm, 1, PLUX-arg95-PTLUX#3, su, SDL >= 1" | 0.082(#3) | 1.55 | 0.45 | 0.48 | 0.1 | 32 |
| 1690-004-0201-01 | 3mm, 7-8, PLUX-arg95-PTLUX#3, su | 0.082(#3) | 1.53 | 0.57 | 0.61 | 0.1 | 39 |
| 1690-004-0202-01 | 3mm, 7-8, PLUX-arg95-PTLUX#3, su, Grids < 1" | 0.082(#3) | 1.53 | 0.51 | 0.55 | 0.1 | 36 |
| 1690-004-0203-01 | 3mm, 7-8, PLUX-arg95-PTLUX#3, su, Grids >= 1" | 0.082(#3) | 1.53 | 0.45 | 0.48 | 0.1 | 32 |
| 1690-004-0204-01 | 3mm, 7-8, PLUX-arg95-PTLUX#3, su, SDL < 1" | 0.082(#3) | 1.53 | 0.51 | 0.55 | 0.1 | 36 |
| 1690-004-0205-01 | 3mm, 7-8, PLUX-arg95-PTLUX#3, su, SDL >= 1" | 0.082(#3) | 1.53 | 0.45 | 0.48 | 0.1 | 32 |
| 1690-004-0206-01 | 3mm, 7-8, SB60#2-arg97-PCI, su | 0.035(#2) | 1.45 | 0.31 | 0.56 | 0.1 | 26 |
| 1690-004-0207-01 | 3mm, 7-8, SB60#2-arg97-PCI, su, Grids < 1" | 0.035(#2) | 1.45 | 0.28 | 0.50 | 0.1 | 24 |
| 1690-004-0208-01 | 3mm, 7-8, SB60#2-arg97-PCI, su, Grids >= 1" | 0.035(#2) | 1.45 | 0.25 | 0.44 | 0.1 | 22 |
| 1690-004-0209-01 | 3mm, 7-8, SB60#2-arg97-PCI, su, SDL < 1" | 0.035(#2) | 1.45 | 0.28 | 0.50 | 0.1 | 24 |
| 1690-004-0210-01 | 3mm, 7-8, SB60#2-arg97-PCI, su, SDL >= 1" | 0.035(#2) | 1.45 | 0.25 | 0.44 | 0.1 | 22 |
| 1690-004-0211-01 | 3mm, 1 1-4, 8071#2-arg97-PCI-arg97-8071#5, su | 0.082(#2) 0.082(#5) | 1.00 | 0.46 | 0.55 | 0.1 | 44 |
| 1690-004-0212-01 | 3mm, 1 1-4, 8071#2-arg97-PCI-arg97-8071#5, su, Grids < 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.41 | 0.49 | 0.1 | 42 |
| 1690-004-0213-01 | 3mm, 1 1-4, 8071#2-arg97-PCI-arg97-8071#5, su, Grids >= 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.37 | 0.44 | 0.1 | 39 |
| 1690-004-0214-01 | 3mm, 1 1-4, 8071#2-arg97-PCI-arg97-8071#5, su, SDL < 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.41 | 0.49 | 0.1 | 42 |
| 1690-004-0215-01 | 3mm, 1 1-4, 8071#2-arg97-PCI-arg97-8071#5, su, SDL >= 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.37 | 0.44 | 0.1 | 39 |
| 1690-004-0216-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-CG70#5, su | 0.025(#2) 0.025(#5) | 0.93 | 0.23 | 0.41 | 0.1 | 33 |
| 1690-004-0217-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-CG70#5, su, Grids < 1" | 0.025(#2) 0.025(#5) | 0.93 | 0.20 | 0.36 | 0.1 | 31 |
| 1690-004-0218-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-CG70#5, su, Grids >= 1" | 0.025(#2) 0.025(#5) | 0.93 | 0.18 | 0.32 | 0.1 | 30 |
| 1690-004-0219-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-CG70#5, su, SDL < 1" | 0.025(#2) 0.025(#5) | 0.93 | 0.20 | 0.36 | 0.1 | 31 |
| 1690-004-0220-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-CG70#5, su, SDL >= 1" | 0.025(#2) 0.025(#5) | 0.93 | 0.18 | 0.32 | 0.1 | 30 |
| 1690-004-0221-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-PCI, su | 0.025(#2) | 1.17 | 0.25 | 0.49 | 0.1 | 29 |
| 1690-004-0222-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-PCI, su, Grids < 1" | 0.025(#2) | 1.17 | 0.23 | 0.44 | 0.1 | 27 |
| 1690-004-0223-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-PCI, su, Grids >= 1" | 0.025(#2) | 1.17 | 0.21 | 0.39 | 0.1 | 26 |
| 1690-004-0224-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-PCI, su, SDL < 1" | 0.025(#2) | 1.17 | 0.23 | 0.44 | 0.1 | 27 |
| 1690-004-0225-01 | 3mm, 1 1-4, CG70#2-arg97-PCI-arg97-PCI, su, SDL >= 1" | 0.025(#2) | 1.17 | 0.21 | 0.39 | 0.1 | 26 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|---|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0226-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-8071#5, su | 0.082(#5) | 1.21 | 0.51 | 0.57 | 0.1 | 43 |
| 1690-004-0227-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-8071#5, su, Grids < 1" | 0.082(#5) | 1.21 | 0.46 | 0.51 | 0.1 | 40 |
| 1690-004-0228-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-8071#5, su, Grids >= 1" | 0.082(#5) | 1.21 | 0.41 | 0.45 | 0.1 | 37 |
| 1690-004-0229-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-8071#5, su, SDL < 1" | 0.082(#5) | 1.21 | 0.46 | 0.51 | 0.1 | 40 |
| 1690-004-0230-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-8071#5, su, SDL >= 1" | 0.082(#5) | 1.21 | 0.41 | 0.45 | 0.1 | 37 |
| 1690-004-0231-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-PTLUX#5, su | 0.082(#5) | 1.21 | 0.52 | 0.56 | 0.1 | 43 |
| 1690-004-0232-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-PTLUX#5, su, Grids < 1" | 0.082(#5) | 1.21 | 0.47 | 0.50 | 0.1 | 40 |
| 1690-004-0233-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-PTLUX#5, su, Grids >= 1" | 0.082(#5) | 1.21 | 0.42 | 0.44 | 0.1 | 38 |
| 1690-004-0234-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-PTLUX#5, su, SDL < 1" | 0.082(#5) | 1.21 | 0.47 | 0.50 | 0.1 | 40 |
| 1690-004-0235-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-PTLUX#5, su, SDL >= 1" | 0.082(#5) | 1.21 | 0.42 | 0.44 | 0.1 | 38 |
| 1690-004-0236-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-SG400#5, su | 0.113(#5) | 1.25 | 0.50 | 0.56 | 0.1 | 41 |
| 1690-004-0237-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-SG400#5, su, Grids < 1" | 0.113(#5) | 1.25 | 0.45 | 0.50 | 0.1 | 38 |
| 1690-004-0238-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-SG400#5, su, Grids >= 1" | 0.113(#5) | 1.25 | 0.40 | 0.44 | 0.1 | 36 |
| 1690-004-0239-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-SG400#5, su, SDL < 1" | 0.113(#5) | 1.25 | 0.45 | 0.50 | 0.1 | 38 |
| 1690-004-0240-01 | 3mm, 1 1-4, PCI-arg97-PCI-arg97-SG400#5, su, SDL >= 1" | 0.113(#5) | 1.25 | 0.40 | 0.44 | 0.1 | 36 |
| 1690-004-0241-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PLUX, su | 0.029(#2) | 1.18 | 0.33 | 0.50 | 0.1 | 33 |
| 1690-004-0242-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PLUX, su, Grids < 1" | 0.029(#2) | 1.18 | 0.29 | 0.45 | 0.1 | 31 |
| 1690-004-0243-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PLUX, su, Grids >= 1" | 0.029(#2) | 1.18 | 0.26 | 0.40 | 0.1 | 29 |
| 1690-004-0244-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PLUX, su, SDL < 1" | 0.029(#2) | 1.18 | 0.29 | 0.45 | 0.1 | 31 |
| 1690-004-0245-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PLUX, su, SDL >= 1" | 0.029(#2) | 1.18 | 0.26 | 0.40 | 0.1 | 29 |
| 1690-004-0246-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PTOne#5, su | 0.029(#2) 0.029(#5) | 0.94 | 0.27 | 0.44 | 0.1 | 35 |
| 1690-004-0247-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PTOne#5, su, Grids < 1" | 0.029(#2) 0.029(#5) | 0.94 | 0.25 | 0.39 | 0.1 | 34 |
| 1690-004-0248-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PTOne#5, su, Grids >= 1" | 0.029(#2) 0.029(#5) | 0.94 | 0.22 | 0.35 | 0.1 | 32 |
| 1690-004-0249-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PTOne#5, su, SDL < 1" | 0.029(#2) 0.029(#5) | 0.94 | 0.25 | 0.39 | 0.1 | 34 |
| 1690-004-0250-01 | 3mm, 1 1-4, PTOne#2-arg95-PLUX-arg95-PTOne#5, su, SDL >= 1" | 0.029(#2) 0.029(#5) | 0.94 | 0.22 | 0.35 | 0.1 | 32 |
| 1690-004-0251-01 | 3mm, 1 1-4, PLUX-arg95-PLUX-arg95-PTLUX#5, su | 0.082(#5) | 1.22 | 0.51 | 0.56 | 0.1 | 43 |
| 1690-004-0252-01 | 3mm, 1 1-4, PLUX-arg95-PLUX-arg95-PTLUX#5, su, Grids < 1" | 0.082(#5) | 1.22 | 0.46 | 0.50 | 0.1 | 40 |
| 1690-004-0253-01 | 3mm, 1 1-4, PLUX-arg95-PLUX-arg95-PTLUX#5, su, Grids >= 1" | 0.082(#5) | 1.22 | 0.41 | 0.44 | 0.1 | 37 |
| 1690-004-0254-01 | 3mm, 1 1-4, PLUX-arg95-PLUX-arg95-PTLUX#5, su, SDL < 1" | 0.082(#5) | 1.22 | 0.46 | 0.50 | 0.1 | 40 |
| 1690-004-0255-01 | 3mm, 1 1-4, PLUX-arg95-PLUX-arg95-PTLUX#5, su, SDL >= 1" | 0.082(#5) | 1.22 | 0.41 | 0.44 | 0.1 | 37 |
| 1690-004-0256-01 | 3mm, 1 1-4, PTLUX#2-arg97-PCI-arg97-PTLUX#5, su | 0.082(#2) 0.082(#5) | 1.00 | 0.46 | 0.54 | 0.1 | 44 |
| 1690-004-0257-01 | 3mm, 1 1-4, PTLUX#2-arg97-PCI-arg97-PTLUX#5, su, Grids < 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.42 | 0.48 | 0.1 | 42 |
| 1690-004-0258-01 | 3mm, 1 1-4, PTLUX#2-arg97-PCI-arg97-PTLUX#5, su, Grids >= 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.37 | 0.43 | 0.1 | 39 |
| 1690-004-0259-01 | 3mm, 1 1-4, PTLUX#2-arg97-PCI-arg97-PTLUX#5, su, SDL < 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.42 | 0.48 | 0.1 | 42 |
| 1690-004-0260-01 | 3mm, 1 1-4, PTLUX#2-arg97-PCI-arg97-PTLUX#5, su, SDL >= 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.37 | 0.43 | 0.1 | 39 |
| 1690-004-0261-01 | 3mm, 1 1-4, PTLUX#2-arg95-PLUX-arg95-PTLUX#5, su | 0.082(#2) 0.082(#5) | 1.00 | 0.46 | 0.54 | 0.1 | 44 |
| 1690-004-0262-01 | 3mm, 1 1-4, PTLUX#2-arg95-PLUX-arg95-PTLUX#5, su, Grids < 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.41 | 0.48 | 0.1 | 42 |
| 1690-004-0263-01 | 3mm, 1 1-4, PTLUX#2-arg95-PLUX-arg95-PTLUX#5, su, Grids >= 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.37 | 0.43 | 0.1 | 39 |
| 1690-004-0264-01 | 3mm, 1 1-4, PTLUX#2-arg95-PLUX-arg95-PTLUX#5, su, SDL < 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.41 | 0.48 | 0.1 | 42 |
| 1690-004-0265-01 | 3mm, 1 1-4, PTLUX#2-arg95-PLUX-arg95-PTLUX#5, su, SDL >= 1" | 0.082(#2) 0.082(#5) | 1.00 | 0.37 | 0.43 | 0.1 | 39 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0266-01 | 3mm, 1 1-4, SG400#2-arg97-PCI-arg97-SG400#5, su | 0.113(#2) 0.113(#5) | 1.04 | 0.43 | 0.53 | 0.1 | 42 |
| 1690-004-0267-01 | 3mm, 1 1-4, SG400#2-arg97-PCI-arg97-SG400#5, su, Grids < 1" | 0.113(#2) 0.113(#5) | 1.04 | 0.39 | 0.48 | 0.1 | 40 |
| 1690-004-0268-01 | 3mm, 1 1-4, SG400#2-arg97-PCI-arg97-SG400#5, su, Grids >= 1" | 0.113(#2) 0.113(#5) | 1.04 | 0.35 | 0.42 | 0.1 | 37 |
| 1690-004-0269-01 | 3mm, 1 1-4, SG400#2-arg97-PCI-arg97-SG400#5, su, SDL < 1" | 0.113(#2) 0.113(#5) | 1.04 | 0.39 | 0.48 | 0.1 | 40 |
| 1690-004-0270-01 | 3mm, 1 1-4, SG400#2-arg97-PCI-arg97-SG400#5, su, SDL >= 1" | 0.113(#2) 0.113(#5) | 1.04 | 0.35 | 0.42 | 0.1 | 37 |
| 1690-004-0271-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-PCI, su | 0.035(#2) | 1.18 | 0.29 | 0.52 | 0.1 | 31 |
| 1690-004-0272-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-PCI, su, Grids < 1" | 0.035(#2) | 1.18 | 0.26 | 0.46 | 0.1 | 29 |
| 1690-004-0273-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-PCI, su, Grids >= 1" | 0.035(#2) | 1.18 | 0.23 | 0.41 | 0.1 | 27 |
| 1690-004-0274-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-PCI, su, SDL < 1" | 0.035(#2) | 1.18 | 0.26 | 0.46 | 0.1 | 29 |
| 1690-004-0275-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-PCI, su, SDL >= 1" | 0.035(#2) | 1.18 | 0.23 | 0.41 | 0.1 | 27 |
| 1690-004-0276-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-SB60#5, su | 0.035(#2) 0.035(#5) | 0.94 | 0.27 | 0.46 | 0.1 | 35 |
| 1690-004-0277-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-SB60#5, su, Grids < 1" | 0.035(#2) 0.035(#5) | 0.94 | 0.24 | 0.41 | 0.1 | 33 |
| 1690-004-0278-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-SB60#5, su, Grids >= 1" | 0.035(#2) 0.035(#5) | 0.94 | 0.22 | 0.36 | 0.1 | 32 |
| 1690-004-0279-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-SB60#5, su, SDL < 1" | 0.035(#2) 0.035(#5) | 0.94 | 0.24 | 0.41 | 0.1 | 33 |
| 1690-004-0280-01 | 3mm, 1 1-4, SB60#2-arg97-PCI-arg97-SB60#5, su, SDL >= 1" | 0.035(#2) 0.035(#5) | 0.94 | 0.22 | 0.36 | 0.1 | 32 |
| 1690-004-0281-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-272#5, ms | 0.042(#2) 0.042(#5) | 0.94 | 0.27 | 0.44 | 0.1 | 35 |
| 1690-004-0282-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-272#5, ms, Grids < 1" | 0.042(#2) 0.042(#5) | 0.94 | 0.25 | 0.39 | 0.1 | 34 |
| 1690-004-0283-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-272#5, ms, Grids >= 1" | 0.042(#2) 0.042(#5) | 0.94 | 0.22 | 0.35 | 0.1 | 32 |
| 1690-004-0284-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-272#5, ms, SDL < 1" | 0.042(#2) 0.042(#5) | 0.94 | 0.25 | 0.39 | 0.1 | 34 |
| 1690-004-0285-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-272#5, ms, SDL >= 1" | 0.042(#2) 0.042(#5) | 0.94 | 0.22 | 0.35 | 0.1 | 32 |
| 1690-004-0286-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-GCl, ms | 0.042(#2) | 1.19 | 0.30 | 0.51 | 0.1 | 31 |
| 1690-004-0287-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-GCl, ms, Grids < 1" | 0.042(#2) | 1.19 | 0.27 | 0.45 | 0.1 | 29 |
| 1690-004-0288-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-GCl, ms, Grids >= 1" | 0.042(#2) | 1.19 | 0.24 | 0.40 | 0.1 | 28 |
| 1690-004-0289-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-GCl, ms, SDL < 1" | 0.042(#2) | 1.19 | 0.27 | 0.45 | 0.1 | 29 |
| 1690-004-0290-01 | 3mm, 1 1-4, 272#2-arg95-GCl-arg95-GCl, ms, SDL >= 1" | 0.042(#2) | 1.19 | 0.24 | 0.40 | 0.1 | 28 |
| 1690-004-0291-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-LOF#5, ms | 0.164(#5) | 1.28 | 0.52 | 0.54 | 0.1 | 42 |
| 1690-004-0292-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-LOF#5, ms, Grids < 1" | 0.164(#5) | 1.28 | 0.47 | 0.48 | 0.1 | 39 |
| 1690-004-0293-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-LOF#5, ms, Grids >= 1" | 0.164(#5) | 1.28 | 0.42 | 0.43 | 0.1 | 36 |
| 1690-004-0294-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-LOF#5, ms, SDL < 1" | 0.164(#5) | 1.28 | 0.47 | 0.48 | 0.1 | 39 |
| 1690-004-0295-01 | 3mm, 1 1-4, GCl-arg95-GCl-arg95-LOF#5, ms, SDL >= 1" | 0.164(#5) | 1.28 | 0.42 | 0.43 | 0.1 | 36 |
| 1690-004-0296-01 | 3mm, 1 1-4, LOF#2-arg95-GCl-arg95-LOF#5, ms | 0.164(#2) 0.164(#5) | 1.08 | 0.47 | 0.51 | 0.1 | 43 |
| 1690-004-0297-01 | 3mm, 1 1-4, LOF#2-arg95-GCl-arg95-LOF#5, ms, Grids < 1" | 0.164(#2) 0.164(#5) | 1.08 | 0.42 | 0.45 | 0.1 | 40 |
| 1690-004-0298-01 | 3mm, 1 1-4, LOF#2-arg95-GCl-arg95-LOF#5, ms, Grids >= 1" | 0.164(#2) 0.164(#5) | 1.08 | 0.38 | 0.40 | 0.1 | 38 |
| 1690-004-0299-01 | 3mm, 1 1-4, LOF#2-arg95-GCl-arg95-LOF#5, ms, SDL < 1" | 0.164(#2) 0.164(#5) | 1.08 | 0.42 | 0.45 | 0.1 | 40 |
| 1690-004-0300-01 | 3mm, 1 1-4, LOF#2-arg95-GCl-arg95-LOF#5, ms, SDL >= 1" | 0.164(#2) 0.164(#5) | 1.08 | 0.38 | 0.40 | 0.1 | 38 |
| 1690-004-0301-01 | 3mm, 7-8, 272#2-arg95-GCl, sp | 0.042(#2) | 1.46 | 0.32 | 0.55 | 0.1 | 26 |
| 1690-004-0302-01 | 3mm, 7-8, 272#2-arg95-GCl, sp, Grids < 1" | 0.042(#2) | 1.46 | 0.29 | 0.49 | 0.1 | 25 |
| 1690-004-0303-01 | 3mm, 7-8, 272#2-arg95-GCl, sp, Grids >= 1" | 0.042(#2) | 1.46 | 0.26 | 0.44 | 0.1 | 23 |
| 1690-004-0304-01 | 3mm, 7-8, 272#2-arg95-GCl, sp, SDL < 1" | 0.042(#2) | 1.46 | 0.29 | 0.49 | 0.1 | 25 |
| 1690-004-0305-01 | 3mm, 7-8, 272#2-arg95-GCl, sp, SDL >= 1" | 0.042(#2) | 1.46 | 0.26 | 0.44 | 0.1 | 23 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0306-01 | 3mm, 7-8, GCl-arg95-LOF#3, sp | 0.164(#3) | 1.65 | 0.58 | 0.59 | 0.1 | 37 |
| 1690-004-0307-01 | 3mm, 7-8, GCl-arg95-LOF#3, sp, Grids < 1" | 0.164(#3) | 1.65 | 0.52 | 0.53 | 0.1 | 34 |
| 1690-004-0308-01 | 3mm, 7-8, GCl-arg95-LOF#3, sp, Grids >= 1" | 0.164(#3) | 1.65 | 0.46 | 0.47 | 0.1 | 30 |
| 1690-004-0309-01 | 3mm, 7-8, GCl-arg95-LOF#3, sp, SDL < 1" | 0.164(#3) | 1.65 | 0.52 | 0.53 | 0.1 | 34 |
| 1690-004-0310-01 | 3mm, 7-8, GCl-arg95-LOF#3, sp, SDL >= 1" | 0.164(#3) | 1.65 | 0.46 | 0.47 | 0.1 | 30 |
| 1690-004-0311-01 | 3mm, 7-8, GCl-arg95-8071#3, dl | 0.082(#3) | 1.55 | 0.55 | 0.62 | 0.1 | 38 |
| 1690-004-0312-01 | 3mm, 7-8, GCl-arg95-8071#3, dl, Grids < 1" | 0.082(#3) | 1.55 | 0.49 | 0.55 | 0.1 | 34 |
| 1690-004-0313-01 | 3mm, 7-8, GCl-arg95-8071#3, dl, Grids >= 1" | 0.082(#3) | 1.55 | 0.44 | 0.49 | 0.1 | 31 |
| 1690-004-0314-01 | 3mm, 7-8, GCl-arg95-8071#3, dl, SDL < 1" | 0.082(#3) | 1.55 | 0.49 | 0.55 | 0.1 | 34 |
| 1690-004-0315-01 | 3mm, 7-8, GCl-arg95-8071#3, dl, SDL >= 1" | 0.082(#3) | 1.55 | 0.44 | 0.49 | 0.1 | 31 |
| 1690-004-0316-01 | 3mm, 7-8, GCl-arg95-LOF#3, dl | 0.164(#3) | 1.67 | 0.58 | 0.59 | 0.1 | 37 |
| 1690-004-0317-01 | 3mm, 7-8, GCl-arg95-LOF#3, dl, Grids < 1" | 0.164(#3) | 1.67 | 0.52 | 0.53 | 0.1 | 33 |
| 1690-004-0318-01 | 3mm, 7-8, GCl-arg95-LOF#3, dl, Grids >= 1" | 0.164(#3) | 1.67 | 0.46 | 0.47 | 0.1 | 30 |
| 1690-004-0319-01 | 3mm, 7-8, GCl-arg95-LOF#3, dl, SDL < 1" | 0.164(#3) | 1.67 | 0.52 | 0.53 | 0.1 | 33 |
| 1690-004-0320-01 | 3mm, 7-8, GCl-arg95-LOF#3, dl, SDL >= 1" | 0.164(#3) | 1.67 | 0.46 | 0.47 | 0.1 | 30 |
| 1690-004-0321-01 | 3mm, 7-8, GCl-arg95-LOF#3, ms | 0.164(#3) | 1.68 | 0.58 | 0.59 | 0.1 | 37 |
| 1690-004-0322-01 | 3mm, 7-8, GCl-arg95-LOF#3, ms, Grids < 1" | 0.164(#3) | 1.68 | 0.52 | 0.53 | 0.1 | 33 |
| 1690-004-0323-01 | 3mm, 7-8, GCl-arg95-LOF#3, ms, Grids >= 1" | 0.164(#3) | 1.68 | 0.46 | 0.47 | 0.1 | 30 |
| 1690-004-0324-01 | 3mm, 7-8, GCl-arg95-LOF#3, ms, SDL < 1" | 0.164(#3) | 1.68 | 0.52 | 0.53 | 0.1 | 33 |
| 1690-004-0325-01 | 3mm, 7-8, GCl-arg95-LOF#3, ms, SDL >= 1" | 0.164(#3) | 1.68 | 0.46 | 0.47 | 0.1 | 30 |
| 1690-004-0326-01 | 3mm, 7-8, STCl-arg97-SG400#3, su | 0.113(#3) | 1.57 | 0.57 | 0.61 | 0.1 | 38 |
| 1690-004-0327-01 | 3mm, 7-8, STCl-arg97-SG400#3, su, Grids < 1" | 0.113(#3) | 1.57 | 0.51 | 0.55 | 0.1 | 35 |
| 1690-004-0328-01 | 3mm, 7-8, STCl-arg97-SG400#3, su, Grids >= 1" | 0.113(#3) | 1.57 | 0.45 | 0.48 | 0.1 | 31 |
| 1690-004-0329-01 | 3mm, 7-8, STCl-arg97-SG400#3, su, SDL < 1" | 0.113(#3) | 1.57 | 0.51 | 0.55 | 0.1 | 35 |
| 1690-004-0330-01 | 3mm, 7-8, STCl-arg97-SG400#3, su, SDL >= 1" | 0.113(#3) | 1.57 | 0.45 | 0.48 | 0.1 | 31 |
| 1690-004-0331-01 | 3mm, 7-8, GUCI-arg95-LOF#3, sp | 0.164(#3) | 1.65 | 0.61 | 0.60 | 0.1 | 39 |
| 1690-004-0332-01 | 3mm, 7-8, GUCI-arg95-LOF#3, sp, Grids < 1" | 0.164(#3) | 1.65 | 0.54 | 0.53 | 0.1 | 35 |
| 1690-004-0333-01 | 3mm, 7-8, GUCI-arg95-LOF#3, sp, Grids >= 1" | 0.164(#3) | 1.65 | 0.48 | 0.47 | 0.1 | 31 |
| 1690-004-0334-01 | 3mm, 7-8, GUCI-arg95-LOF#3, sp, SDL < 1" | 0.164(#3) | 1.65 | 0.54 | 0.53 | 0.1 | 35 |
| 1690-004-0335-01 | 3mm, 7-8, GUCI-arg95-LOF#3, sp, SDL >= 1" | 0.164(#3) | 1.65 | 0.48 | 0.47 | 0.1 | 31 |
| 1690-004-0336-01 | 3mm, 1 1-4, PCI-arg95-8071#3-arg95-8071#5, iu | 0.082(#3) 0.082(#5) | 1.01 | 0.48 | 0.55 | 0.1 | 45 |
| 1690-004-0337-01 | 3mm, 1 1-4, PCI-arg95-8071#3-arg95-8071#5, iu, Grids < 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.43 | 0.49 | 0.1 | 43 |
| 1690-004-0338-01 | 3mm, 1 1-4, PCI-arg95-8071#3-arg95-8071#5, iu, Grids >= 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.39 | 0.44 | 0.1 | 40 |
| 1690-004-0339-01 | 3mm, 1 1-4, PCI-arg95-8071#3-arg95-8071#5, iu, SDL < 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.43 | 0.49 | 0.1 | 43 |
| 1690-004-0340-01 | 3mm, 1 1-4, PCI-arg95-8071#3-arg95-8071#5, iu, SDL >= 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.39 | 0.44 | 0.1 | 40 |
| 1690-004-0341-01 | 3mm, 1 1-4, PCI-arg95-PTLUX#3-arg95-PTLUX#5, iu | 0.082(#3) 0.082(#5) | 1.01 | 0.50 | 0.54 | 0.1 | 47 |
| 1690-004-0342-01 | 3mm, 1 1-4, PCI-arg95-PTLUX#3-arg95-PTLUX#5, iu, Grids < 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.45 | 0.48 | 0.1 | 44 |
| 1690-004-0343-01 | 3mm, 1 1-4, PCI-arg95-PTLUX#3-arg95-PTLUX#5, iu, Grids >= 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.40 | 0.43 | 0.1 | 41 |
| 1690-004-0344-01 | 3mm, 1 1-4, PCI-arg95-PTLUX#3-arg95-PTLUX#5, iu, SDL < 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.45 | 0.48 | 0.1 | 44 |
| 1690-004-0345-01 | 3mm, 1 1-4, PCI-arg95-PTLUX#3-arg95-PTLUX#5, iu, SDL >= 1" | 0.082(#3) 0.082(#5) | 1.01 | 0.40 | 0.43 | 0.1 | 41 |

| Product Number | Manufacturer Product Code | Emissivity (Surface #) | U-Factor (Metric) | SHGC(w) | Visible Transmittance (VT) | Air Leakage Average (L75) | Energy Rating |
|------------------|--|------------------------|-------------------|---------|----------------------------|---------------------------|---------------|
| 1690-004-0346-01 | 3mm, 1 1-4, GCl-arg95-8071#3-arg95-8071#5, ms | 0.082(#3) 0.082(#5) | 0.99 | 0.48 | 0.55 | 0.1 | 46 |
| 1690-004-0347-01 | 3mm, 1 1-4, GCl-arg95-8071#3-arg95-8071#5, ms, Grids < 1" | 0.082(#3) 0.082(#5) | 0.99 | 0.43 | 0.49 | 0.1 | 43 |
| 1690-004-0348-01 | 3mm, 1 1-4, GCl-arg95-8071#3-arg95-8071#5, ms, Grids >= 1" | 0.082(#3) 0.082(#5) | 0.99 | 0.38 | 0.43 | 0.1 | 40 |
| 1690-004-0349-01 | 3mm, 1 1-4, GCl-arg95-8071#3-arg95-8071#5, ms, SDL < 1" | 0.082(#3) 0.082(#5) | 0.99 | 0.43 | 0.49 | 0.1 | 43 |
| 1690-004-0350-01 | 3mm, 1 1-4, GCl-arg95-8071#3-arg95-8071#5, ms, SDL >= 1" | 0.082(#3) 0.082(#5) | 0.99 | 0.38 | 0.43 | 0.1 | 40 |

This certification represents product conformity to the applicable specification and that certification criteria has been satisfied. A NAMI approved certification label must be applied to the product to claim certification status. To affirm the certification status, please visit www.namicertification.com. NAMI is accredited to the ISO/IEC 17065 by the ANSI National Accreditation Board (ANAB) and the Standards Council of Canada (SCC).



Administrator's Signature:

A handwritten signature in black ink, appearing to be 'S. D.', written over a horizontal line.

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