



Energy and structural Performance

Tradition Picture Window - Wood - Aluminium - Cladding - Exterior

INFORMATION

**SDL** : Simulated Divided Light is composed of small bars glued directly on both sides of the glass surface to simulate the appearance of true divided lites.

**U Factor:** (Btu/h-ft2-F) The lower the U-factor, the better the ability to resist to heat transfer.

**SHGC:** Solar Heat Gain Coefficient, the higher the SHGC, the more the solar heat is transmitted inside.

**ER:** The Energy Rating is the result of a formula taking into account the U-value, the SHGC and the airtightness of the product. The ER value measures the overall performance of a window. The higher the value, the better the product efficiency in terms of energy.

**NFRC** : National Fenestration Rating Council

**VT** Visible transmittance (expressed as a number from 0 to 1) also known as Visible light transmission (VLT - expressed as a percentage %) is a measurement of the amount of light in the visible portion of the spectrum that passes through glass

| NFRC CODE      | THERMOS             | CODE                                                        | U Factor/<br>(Btu/h-ft2-F) | Solar Heat Gain<br>Coefficient (SHGC) | Visible<br>transmittance (VT) | Energy<br>Rating (ER) |    |
|----------------|---------------------|-------------------------------------------------------------|----------------------------|---------------------------------------|-------------------------------|-----------------------|----|
| MPE-M-38-00061 | 8071 Double 1 LowE  | HYB, 3mm 7/8 PCI-arg95-8071#3, su                           | 0,28                       | 0,63                                  | 0,70                          | 41                    | \$ |
| MPE-M-38-00062 | 8071 Double 1 LowE  | HYB, 3mm 7/8 PCI-arg95-8071#3, su, Grids<1"                 | 0,28                       | 0,57                                  | 0,63                          | 38                    | \$ |
| MPE-M-38-00063 | 8071 Double 1 LowE  | HYB, 3mm 7/8 PCI-arg95-8071#3, su, SDLwSB<1"                | 0,28                       | 0,57                                  | 0,63                          | 38                    | \$ |
| MPE-M-38-00064 | 8071 Double 1 LowE  | HYB, 3mm 7/8 PCI-arg95-8071#3, su, SDLwSB>=1"               | 0,28                       | 0,51                                  | 0,56                          | 34                    | \$ |
| MPE-M-38-00065 | 8071 Double 1 LowE  | HYB, 3mm 7/8 PCI-arg95-8071#3, su, SDL<1"                   | 0,28                       | 0,57                                  | 0,63                          | 38                    | \$ |
| MPE-M-38-00066 | 8071 Double 1 LowE  | HYB, 3mm 7/8 PCI-arg95-8071#3, su, SDL>=1"                  | 0,28                       | 0,51                                  | 0,56                          | 34                    | \$ |
| MPE-M-38-00067 | 8071 Triple 1 LowE  | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su               | 0,21                       | 0,57                                  | 0,64                          | 47                    | \$ |
| MPE-M-38-00068 | 8071 Triple 1 LowE  | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, Grids<1"     | 0,21                       | 0,52                                  | 0,58                          | 44                    | \$ |
| MPE-M-38-00069 | 8071 Triple 1 LowE  | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDLwSB<1"    | 0,21                       | 0,52                                  | 0,58                          | 44                    | \$ |
| MPE-M-38-00070 | 8071 Triple 1 LowE  | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDLwSB>=1"   | 0,21                       | 0,47                                  | 0,51                          | 41                    | \$ |
| MPE-M-38-00071 | 8071 Triple 1 LowE  | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDL<1"       | 0,21                       | 0,52                                  | 0,58                          | 44                    | \$ |
| MPE-M-38-00072 | 8071 Triple 1 LowE  | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDL>=1"      | 0,21                       | 0,47                                  | 0,51                          | 41                    | \$ |
| MPE-M-38-00037 | SB-60 double        | HYB, 3mm 7/8 PCI-arg95-SB60#3, su                           | 0,26                       | 0,43                                  | 0,63                          | 32                    |    |
| MPE-M-38-00038 | SB-60 double        | HYB, 3mm 7/8 PCI-arg95-SB60#3, su, Grids<1"                 | 0,26                       | 0,39                                  | 0,57                          | 30                    |    |
| MPE-M-38-00039 | SB-60 double        | HYB, 3mm 7/8 PCI-arg95-SB60#3, su, SDL<1"                   | 0,26                       | 0,39                                  | 0,57                          | 30                    |    |
| MPE-M-38-00040 | SB-60 double        | HYB, 3mm 7/8 PCI-arg95-SB60#3, su, SDL>1"                   | 0,26                       | 0,35                                  | 0,51                          | 28                    |    |
| MPE-M-38-00041 | SB-60 double        | HYB, 3mm 7/8 PCI-arg95-SB60#3, su, SDL-SB<1"                | 0,26                       | 0,39                                  | 0,57                          | 30                    |    |
| MPE-M-38-00042 | SB-60 double        | HYB, 3mm 7/8 PCI-arg95-SB60#3, su, SDL-SB>1"                | 0,26                       | 0,35                                  | 0,51                          | 28                    |    |
| MPE-M-38-00043 | SB-60 triple 1 lowe | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su               | 0,19                       | 0,40                                  | 0,58                          | 39                    | \$ |
| MPE-M-38-00044 | SB-60 triple 1 lowe | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, Grids<1"     | 0,20                       | 0,36                                  | 0,52                          | 36                    | \$ |
| MPE-M-38-00045 | SB-60 triple 1 lowe | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL<1"       | 0,19                       | 0,36                                  | 0,52                          | 37                    | \$ |
| MPE-M-38-00046 | SB-60 triple 1 lowe | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL>1"       | 0,19                       | 0,33                                  | 0,46                          | 35                    | \$ |
| MPE-M-38-00047 | SB-60 triple 1 lowe | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL-SB<1"    | 0,20                       | 0,36                                  | 0,52                          | 36                    | \$ |
| MPE-M-38-00048 | SB-60 triple 1 lowe | HYB, 3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL-SB>1"    | 0,20                       | 0,33                                  | 0,46                          | 34                    | \$ |
| MPE-M-38-00049 | SB-60 triple 2 lowe | HYB, 3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su            | 0,15                       | 0,30                                  | 0,51                          | 39                    | \$ |
| MPE-M-38-00050 | SB-60 triple 2 lowe | HYB, 3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, Grids<1"  | 0,15                       | 0,27                                  | 0,46                          | 37                    | \$ |
| MPE-M-38-00051 | SB-60 triple 2 lowe | HYB, 3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL<1"    | 0,15                       | 0,27                                  | 0,46                          | 37                    | \$ |
| MPE-M-38-00052 | SB-60 triple 2 lowe | HYB, 3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL>1"    | 0,15                       | 0,25                                  | 0,41                          | 36                    | \$ |
| MPE-M-38-00053 | SB-60 triple 2 lowe | HYB, 3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL-SB<1" | 0,16                       | 0,27                                  | 0,46                          | 35                    | \$ |
| MPE-M-38-00054 | SB-60 triple 2 lowe | HYB, 3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL-SB>1" | 0,16                       | 0,25                                  | 0,41                          | 34                    | \$ |

\$ Eligible for the Energy Star program



Structural Performance

PERFORMANCE TESTING IN ACCORDANCE WITH AAMA/WDMA/CSA 101/I.S.2/A440-08

| Performance<br>Grade (PG) | Airtightness | Water tightness | Wind load<br>resistance | Screen resistance | Resistance to<br>forced entry | Usability | Structural<br>test   |
|---------------------------|--------------|-----------------|-------------------------|-------------------|-------------------------------|-----------|----------------------|
| CW - PG100                | FIXED        | B7              | C5                      | FIXED             | Grade 10                      | FIXED     | STP 100<br>(7200 Pa) |

**PG:** Performance Grade from the NAFS-08 harmonized standard (North American Fenestration Standard) for a given size on a scale from PG15 to PG100.  
The higher the value is, the better the product efficiency.

**Airtightness:** Resistance to air exfiltration/infiltration on a scale ranging from A1 to A3. The higher the value, the greater the sealing.

**Water tightness:** Resistance to water infiltration on a scale ranging from B1 to B7. The higher the value, the greater the sealing.

**Wind load resistance:** Resistance to wind pressures on a scale ranging from C1 to C5 without breakage or permanent deformation.  
The higher the value, the greater the resistance.

**Screen resistance:** Resistance rating without damage or permanent deformation while remaining firmly attached to the window under a force of 60 Newtons outwards.

**Resistance to forced entry:** Capacity when locked to withstand a forced entry under specified load and conditions for a rating of F10 or F20.  
The higher the value, the greater the resistance.

**Usability:** Test for measuring the force required to initiate and maintain the opening movement of the window or the door.

**Structural test:** Structural test pressure (STP) [greater than values specified in pounds per square foot (psf) or in pascals (Pa)] supported before permanent deformation measured on the jamb of the sash. Maximum values indicated.