



Energy and structural Performance

Tilt and Turn- Diamond - Wood - Aluminum-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/ (Btu/h-ft2-F)	Solar Heat Gain Coefficient (SHGC)	Visible transmittance (VT)	Energy Rating (ER)
MPE-M-43-00037	8071 Double 1 LowE	3mm 7/8 PCI-arg95-8071#3, su	0,28	0,50	0,55	34
MPE-M-43-00038	8071 Double 1 LowE	3mm 7/8 PCI-arg95-8071#3, su, Grids<1"	0,28	0,44	0,49	31
MPE-M-43-00039	8071 Double 1 LowE	3mm 7/8 PCI-arg95-8071#3, su, SDLwSB<1"	0,28	0,44	0,49	31
MPE-M-43-00040	8071 Double 1 LowE	3mm 7/8 PCI-arg95-8071#3, su, SDLwSB>=1"	0,28	0,39	0,43	28
MPE-M-43-00041	8071 Double 1 LowE	3mm 7/8 PCI-arg95-8071#3, su, SDL<1"	0,28	0,44	0,49	31
MPE-M-43-00042	8071 Double 1 LowE	3mm 7/8 PCI-arg95-8071#3, su, SDL>=1"	0,28	0,39	0,43	28
MPE-M-43-00043	8071 Triple 1 LowE	3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su	0,23	0,45	0,51	37
MPE-M-43-00044	8071 Triple 1 LowE	3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, Grids<1"	0,23	0,40	0,45	34
MPE-M-43-00045	8071 Triple 1 LowE	3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDLwSB<1"	0,23	0,40	0,45	34
MPE-M-43-00046	8071 Triple 1 LowE	3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDLwSB>=1"	0,23	0,36	0,39	32
MPE-M-43-00047	8071 Triple 1 LowE	3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDL<1"	0,23	0,40	0,45	34
MPE-M-43-00048	8071 Triple 1 LowE	3mm 1 1/4 PCI-arg95-PCI-arg95-8071#5, su, SDL>=1"	0,23	0,36	0,39	32
MPE-M-43-00049	8071 Triple 2 LowE	3mm 1 1/4 8071#2-arg95-PCI-arg95-8071#5, su	0,19	0,41	0,49	40
MPE-M-43-00050	8071 Triple 2 LowE	3mm 1 1/4 8071#2-arg95-PCI-arg95-8071#5, su, Grids<1"	0,20	0,36	0,43	36
MPE-M-43-00051	8071 Triple 2 LowE	3mm 1 1/4 8071#2-arg95-PCI-arg95-8071#5, su, SDLwSB<1"	0,20	0,36	0,43	36
MPE-M-43-00052	8071 Triple 2 LowE	3mm 1 1/4 8071#2-arg95-PCI-arg95-8071#5, su, SDLwSB>=1"	0,20	0,32	0,38	34
MPE-M-43-00053	8071 Triple 2 LowE	3mm 1 1/4 8071#2-arg95-PCI-arg95-8071#5, su, SDL<1"	0,19	0,36	0,43	37
MPE-M-43-00054	8071 Triple 2 LowE	3mm 1 1/4 8071#2-arg95-PCI-arg95-8071#5, su, SDL>=1"	0,19	0,32	0,38	35
MPE-M-43-00019	SB-60 double	3mm 7/8 PCI-arg95-SB60#3, su	0,27	0,34	0,50	26
MPE-M-43-00020	SB-60 double	3mm 7/8 PCI-arg95-SB60#3, su, Grids<1"	0,27	0,31	0,44	24
MPE-M-43-00021	SB-60 double	3mm 7/8 PCI-arg95-SB60#3, su, SDL<1"	0,27	0,31	0,44	24
MPE-M-43-00022	SB-60 double	3mm 7/8 PCI-arg95-SB60#3, su, SDL>1"	0,27	0,27	0,39	22
MPE-M-43-00023	SB-60 double	3mm 7/8 PCI-arg95-SB60#3, su, SDL-SB<1"	0,27	0,31	0,44	24
MPE-M-43-00024	SB-60 double	3mm 7/8 PCI-arg95-SB60#3, su, SDL-SB>1"	0,27	0,27	0,39	22
MPE-M-43-00025	SB-60 triple 1 lowe	3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su	0,22	0,32	0,46	31
MPE-M-43-00026	SB-60 triple 1 lowe	3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, Grids<1"	0,22	0,29	0,41	29
MPE-M-43-00027	SB-60 triple 1 lowe	3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL<1"	0,22	0,29	0,41	29
MPE-M-43-00028	SB-60 triple 1 lowe	3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL>1"	0,22	0,25	0,36	27
MPE-M-43-00029	SB-60 triple 1 lowe	3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL-SB<1"	0,22	0,29	0,41	29
MPE-M-43-00030	SB-60 triple 1 lowe	3mm 1 1/4 PCI-arg95-PCI-arg95-SB60#5, su, SDL-SB>1"	0,22	0,25	0,36	27
MPE-M-43-00031	SB-60 triple 2 lowe	3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su	0,18	0,24	0,40	31
MPE-M-43-00032	SB-60 triple 2 lowe	3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, Grids<1"	0,19	0,21	0,36	28
MPE-M-43-00033	SB-60 triple 2 lowe	3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL<1"	0,18	0,21	0,36	29
MPE-M-43-00034	SB-60 triple 2 lowe	3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL>1"	0,18	0,19	0,31	28
MPE-M-43-00035	SB-60 triple 2 lowe	3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL-SB<1"	0,19	0,21	0,36	28
MPE-M-43-00036	SB-60 triple 2 lowe	3mm 1 1/4 SB60#2-arg95-PCI-arg95-SB60#5, su, SDL-SB>1"	0,19	0,19	0,31	27

Structural Performance

ESSAI DE PERFORMANCE EN ACCORD AVEC AAMA/WDMA/CSA 101/I.S.2/A440-08

Performance Grade (PG)	Airtightness	Water tightness	Wind load resistance	Screen resistance	Resistance to forced entry	Usability	Structural test
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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 loaded 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.