

NFRC/WERS Certified Product Directory

Product: 445 Series Sliding Door – Single Glazing

Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
4 Clear	★	★★★☆☆	6.2	0.70
4 Green	★☆☆	★★★	6.2	0.57
4 Grey	★☆☆	★★★	6.2	0.55
5 Clear	★	★★★☆☆	6.1	0.69
5 Green	★☆☆	★★★	6.1	0.54
5 Grey	★★★	★★★	6.1	0.52
5 Bronze	★☆☆	★★★	6.1	0.56
5 Evergreen	★★★	★★☆☆	6.1	0.49
5 Dark Grey	★★★	★★☆☆	6.1	0.47
6 Clear	★	★★★☆☆	6.1	0.68
6 Green	★★★	★★★	6.1	0.51
6 Grey	★★★	★★☆☆	6.1	0.48
6 Bronze	★★★	★★★	6.1	0.52
6 Panasap Dark Blue	★★★	★★☆☆	6.1	0.49
6 Arctic Blue	★★★☆☆	★★☆☆	6.1	0.44
6 Evergreen	★★★☆☆	★★☆☆	6.1	0.44
6 Azuria	★★★☆☆	★★☆☆	6.1	0.43
6 OptiGray	★★★☆☆	zero	6.1	0.36
6.38 Clear Laminate	★	★★★☆☆	6.0	0.66
6.38 Green Laminate	★☆☆	★★★	6.0	0.61
6.38 Grey Laminate	★★★	★★★	6.0	0.52
6.38 Cool Blue Laminate	★☆☆	★★★	6.1	0.62
6.38 Sky Blue Laminate	★☆☆	★★★	6.0	0.57
6.38 Evergreen Laminate	★★★☆☆	★★☆☆	6.1	0.41
6.38 Solarplus TS30 Clear Laminate	★★★☆☆	zero	6.1	0.34
6.76 Clear Laminate	★	★★★☆☆	6.0	0.66
6.76 Solutia Acoustic Laminate	★	★★★☆☆	6.0	0.65
10.38 Clear Laminate	★	★★★☆☆	5.9	0.64
10.76 Clear Laminate	★☆☆	★★★☆☆	5.9	0.63
6 Eclipse Advantage Clear Low-E	★★★☆☆	★★★☆☆	4.5	0.52
6 Eclipse Advantage Blue Green Low E	★★★★☆☆	★★★☆☆	4.5	0.38
6 Eclipse Advantage Grey Low E	★★★★☆☆	★★★☆☆	4.5	0.35
6 Eclipse Advantage Arctic Blue Low E	★★★★☆☆	★★★☆☆	4.5	0.31
6 Eclipse Advantage Evergreen Low E	★★★★☆☆	★★★☆☆	4.5	0.31
4 Energy Advantage Low E	★★★	★★★☆☆	4.4	0.59
6 Energy Advantage Low E	★★★	★★★☆☆	4.3	0.58
6.38 Solect Clear Low E Laminate	★★★	★★★☆☆	4.3	0.56
6.38 Solect Green Low E Laminate	★★★★	★★★☆☆	4.3	0.42
6.38 Solect Grey Low E Laminate	★★★★☆☆	★★★☆☆	4.3	0.37
6.38 Optilight HL129 Laminate	★★★★	★★★☆☆	4.3	0.42
6.38 ComfortPlus Clear Low E Laminate	★★★	★★★☆☆	4.3	0.57
6.38 ComfortPlus Neutral Low E Laminate	★★★★	★★★☆☆	4.3	0.43
6.38 ComfortPlus Green Low E Laminate	★★★★	★★★☆☆	4.3	0.43
6.38 ComfortPlus Grey Low E Laminate	★★★★	★★★☆☆	4.3	0.42

NOTES

1. Uw is the whole window *U-value*
2. SHGCw is the whole window *solar heat gain coefficient*
3. Static performance (Uw SHGCw) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
4. Annual energy performance stars calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
5. Results disclosed at National Fenestration Rating Council (NFRC) regulations

NFRC/WERS Certified Product Directory

Product: 445 Series Sliding Door – Single Glazing (cont.)

Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
10.76 Optilight HL119 Laminate	★ ★ ☆	★ ★ ★ ☆	4.3	0.53
10.76 Optilight HL219 Laminate	★ ★ ★ ☆	★ ★ ★	4.3	0.40
10.76 Optilight HL319 Laminate	★ ★ ★ ☆	★ ★ ★	4.3	0.35
10.76 Optilight HL419 Laminate	★ ★ ★ ☆	★ ★ ★	4.3	0.39
10.76 Optilight HL5p19 Laminate	★ ★ ★ ☆	★ ★ ★	4.3	0.36
10.76 Optilight HL5a19 Laminate	★ ★ ★ ☆	★ ★ ☆	4.3	0.33
10.76 Optilight HL719 Laminate	★ ★ ★ ★	★ ★ ☆	4.3	0.32
10.76 Optilight HL819 Laminate	★ ★ ★ ☆	★ ★ ★	4.3	0.34
10.76 Optilight HL1x9 Laminate	★ ★ ★	★ ★ ★	4.3	0.45
10.76 Optilight HL2x9 Laminate	★ ★ ★ ☆	★ ★ ★	4.3	0.36

NOTES

1. Uw is the whole window *U-value*
2. SHGCw is the whole window *solar heat gain coefficient*
3. Static performance (Uw SHGCw) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
4. Annual energy performance stars calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
5. Results disclosed at National Fenestration Rating Council (NFRC) regulations

NFRC/WERS Certified Product Directory

Product: 445 Series Sliding Door – Double Glazing

Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
6 Clear/12 air/6 Clear IGU	☆☆☆	★★★★	3.9	0.58
6 Green/12 air/6 Clear IGU	☆☆☆	★★★★☆	3.9	0.41
6 Grey/12 air/6 Clear IGU	☆☆☆	★★★	3.9	0.37
6 Bronze/12 air/6 Clear IGU	☆☆☆	★★★★☆	3.9	0.41
6 Panasap Dark Blue/12 air/6 Clear IGU	☆☆☆	★★★★☆	3.9	0.39
6 Evergreen/12 air/6 Clear IGU	☆☆☆☆	★★★★	3.9	0.33
6 Azuria/12 air/6 Clear IGU	☆☆☆☆	★★★★	3.9	0.33
6 Energy Advantage Low E (S2)/12 air/6 Clear IGU	☆☆☆	★★★★☆	3.3	0.51
6 Clear/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆	★★★★☆	3.3	0.55
6 Green/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆☆	★★★★☆	3.3	0.37
6 Grey/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆☆	★★★★☆	3.3	0.33
6 Bronze/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆☆	★★★★☆	3.3	0.37
6 Panasap Dark Blue/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆☆	★★★★☆	3.3	0.35
6 Evergreen/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆☆☆	★★★★☆	3.3	0.29
6 Azuria/12 air/6 Energy Advantage Low E (S3) IGU	☆☆☆☆☆	★★★★☆	3.3	0.29
6 Solarplus LE80i Low E on Clear (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★★	3.3	0.43
6 Solarplus LE80i Low E on Green (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.3	0.31
6 Solarplus LE80i Low E on Grey (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.3	0.27
6 Solarplus LE80i Low E on Bronze (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.3	0.31
6 Solarplus LE80i Low E on Panasap Dark Blue (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.3	0.29
6 Solarplus LE80i Low E on Evergreen (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★	3.3	0.26
6 Solarplus LE80i Low E on Azuria (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★	3.3	0.26
6 Solarplus LE60i Low E on Clear (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★★☆	3.3	0.33
6 Solarplus LE60i Low E on Green (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.3	0.31
6 Solarplus LE60i Low E on Grey (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★★	3.3	0.22
6 Solarplus LE60i Low E on Bronze (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.25
6 Solarplus LE60i Low E on Panasap Dark Blue (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.24
6 Solarplus LE60i Low E on Evergreen (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.22
6 Solarplus LE60i Low E on Azuria (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.22
6 Solarplus LE54i Low E on Clear (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.3	0.30
6 Solarplus LE54i Low E on Green (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.24
6 Solarplus LE54i Low E on Grey (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.21
6 Solarplus LE54i Low E on Bronze (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.23
6 Solarplus LE54i Low E on Panasap Dark Blue (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.22
6 Solarplus LE54i Low E on Evergreen (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.21
6 Solarplus LE54i Low E on Azuria (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.3	0.21
6 Solarplus DLE70 Low E on Clear (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★★☆	3.2	0.29
6 Solarplus DLE70 Low E on Green (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★★☆	3.2	0.25
6 Solarplus DLE70 Low E on Grey (S2)/12 air/6 Clear IGU	☆☆☆☆☆	★★★	3.2	0.20
6 Solarplus DLE70 Low E on Bronze (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.2	0.21
6 Solarplus DLE70 Low E on Panasap Dark Blue (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.2	0.22
6 Solarplus DLE70 Low E on Evergreen (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.2	0.22
6 Solarplus DLE70 Low E on Azuria (S2)/12 air/6 Clear IGU	☆☆☆☆	★★★	3.2	0.22

NOTES

1. Uw is the whole window *U-value*
2. SHGCw is the whole window *solar heat gain coefficient*
3. Static performance (Uw SHGCw) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
4. Annual energy performance stars calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
5. Results disclosed at National Fenestration Rating Council (NFRC) regulations

NFRC/WERS Certified Product Directory

Product: 445 Series Sliding Door – Double Glazing (cont.)

Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
6 Solarplus DLE55 Low E on Clear (S2)/12 air/6 Clear IGU	★★★★★	★★★★☆	3.2	0.26
6 Solarplus DLE55 Low E on Green (S2)/12 air/6 Clear IGU	★★★★★	★★★	3.2	0.22
6 Solarplus DLE55 Low E on Grey (S2)/12 air/6 Clear IGU	★★★★★☆	★★★	3.2	0.18
6 Solarplus DLE55 Low E on Bronze (S2)/12 air/6 Clear IGU	★★★★★☆	★★★	3.2	0.19
6 Solarplus DLE55 Low E on Panasap Dark Blue (S2)/12 air/6 Clear IGU	★★★★★	★★★	3.2	0.20
6 Solarplus DLE55 Low E on Arctic Blue (S2)/12 air/6 Clear IGU	★★★★★☆	★★★	3.2	0.18
6 Solarplus DLE55 Low E on Evergreen (S2)/12 air/6 Clear IGU	★★★★★☆	★★★	3.2	0.19
6 Solarplus DLE55 Low E on Azuria (S2)/12 air/6 Clear IGU	★★★★★☆	★★★	3.2	0.20
6 Solarplus DLE55 Low E on Caribia (S2)/12 air/6 Clear IGU	★★★★★☆	★★★	3.2	0.19

NOTES

1. Uw is the whole window *U-value*
2. SHGCw is the whole window *solar heat gain coefficient*
3. Static performance (Uw SHGCw) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
4. Annual energy performance stars calculated using Nationwide House Energy Rating Software (AccuRate) according to procedures of WERS 2008.
5. Results disclosed at National Fenestration Rating Council (NFRC) regulations