

# NFRC/WERS Certified Product Directory

## Product: 450 Series Fixed Window – Single Glazing

Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
6 Clear	☆	★★★☆☆	6.4	0.70
6 Green	☆☆	★★	6.4	0.53
6 Grey	☆☆	★★	6.4	0.49
6 Bronze	☆☆	★★	6.4	0.54
6 Panasap Dark Blue	☆☆	★★	6.4	0.51
6 Arctic Blue	☆☆	★★☆☆	6.4	0.45
6 Azuria	☆☆	★★☆☆	6.4	0.44
6 Evergreen	☆☆	★★☆☆	6.4	0.45
6 OptiGray	☆☆☆	★★☆☆	6.4	0.37
6 Solarcool Azuria	☆☆☆	zero	6.4	0.33
6.38 Clear Laminate	☆☆	★★★☆☆	6.3	0.68
6.38 Green Laminate	☆☆	★★★☆☆	6.3	0.62
6.38 Grey Laminate	☆☆☆	★★	6.3	0.53
6.38 Sky Blue Laminate	☆☆☆	★★	6.3	0.59
6.38 Cool Blue Laminate	☆☆	★★★☆☆	6.3	0.64
6.38 Evergreen Laminate	☆☆☆	★★☆☆	6.3	0.43
6.76 Clear Laminate	☆☆	★★★☆☆	6.3	0.68
6.76 Clear Solutia Acoustic Laminate	☆☆☆	★★★☆☆	6.3	0.61
6.38 Solarplus SL20 Grey Laminate	☆☆☆	zero	6.3	0.31
6.38 Solarplus TS21 Clear Laminate	☆☆☆	zero	6.3	0.29
6.38 Solarplus TS30 Clear Laminate	☆☆☆	★★☆☆	6.3	0.36
10.38 Clear Laminate	☆☆	★★★☆☆	6.2	0.66
10.38 Green Laminate	☆☆☆	★★★☆☆	6.2	0.59
10.38 Grey Laminate	☆☆	★★	6.2	0.51
6 Energy Advantage Low E	☆☆	★★★★	4.6	0.61
6 Eclipse Advantage Clear Low E	☆☆	★★★★☆	4.8	0.54
6 Eclipse Advantage Evergreen Low E	☆☆☆☆	★★★☆☆	4.8	0.32
6 Eclipse Advantage Blue Green Low E	☆☆☆☆	★★★★	4.8	0.40
6 Eclipse Advantage Grey Low E	☆☆☆☆	★★★★	4.8	0.36
6 Eclipse Advantage Arctic Blue Low E	☆☆☆☆	★★★☆☆	4.8	0.32
6.38 Solect Clear Low E Laminate	☆☆	★★★★★	4.6	0.59
6.38 Solect Green Low E Laminate	☆☆	★★★★	4.6	0.43
6.38 Solect Grey Low E Laminate	☆☆☆☆	★★★★	4.6	0.38
6.38 Optilight HL129 Low E Laminate	☆☆	★★★★	4.6	0.43
6.38 ComfortPlus Clear Low E Laminate	☆☆	★★★★★	4.6	0.59
6.38 ComfortPlus Neutral Low E Laminate	☆☆	★★★★☆	4.6	0.44
6.38 ComfortPlus Green Low E Laminate	☆☆	★★★★☆	4.6	0.44
6.38 ComfortPlus Grey Low E Laminate	☆☆	★★★★	4.6	0.43
10.76 Optilight HL119 Laminate	☆☆☆	★★★☆☆	4.5	0.55
10.76 Optilight HL219 Laminate	☆☆	★★★★	4.5	0.41
10.76 Optilight HL319 Laminate	☆☆☆☆	★★★★	4.5	0.36
10.76 Optilight HL419 Laminate	☆☆	★★★★	4.5	0.40
10.76 Optilight HL5a19 Laminate	☆☆☆☆	★★★★	4.6	0.34
10.76 Optilight HL5p19 Laminate	☆☆☆☆	★★★★	4.5	0.37
10.76 Optilight HL719 Laminate	☆☆☆☆	★★★★	4.5	0.33
10.76 Optilight HL819 Laminate	☆☆☆☆	★★★★	4.5	0.35
10.76 Optilight SL50 Low E Laminate	☆☆	★★★★	4.5	0.41

### 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.