

NFRC/WERS Certified Product Directory

Product: 138 Series Double Hung Window – Single Glazing

Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
3 Clear	★	★★★	6.4	0.67
4 Clear	★	★★★	6.4	0.66
4 Green	★ ☆	★★★	6.4	0.53
4 Grey	★ ★	★★ ☆	6.4	0.51
5 Clear	★	★★★	6.3	0.65
5 Green	★ ★	★★★	6.3	0.51
5 Grey	★ ★	★★ ☆	6.3	0.48
5 Bronze	★ ★	★★★	6.3	0.52
5 Evergreen	★ ★	★★ ☆	6.3	0.46
5 Dark Grey	★ ★	★★ ☆	6.3	0.44
6 Clear	★	★★★	6.3	0.64
6 Green	★ ★	★★ ☆	6.3	0.48
6 Grey	★ ★	★★ ☆	6.3	0.45
6 Bronze	★ ★	★★ ☆	6.3	0.49
6 Panasap Dark Blue	★ ★	★★ ☆	6.3	0.46
6 Arctic Blue	★ ★ ☆	★★ ☆	6.3	0.41
6 Evergreen	★ ★ ☆	★★ ☆	6.3	0.41
6 Azuria	★ ★ ☆	★★ ☆	6.3	0.41
6 OptiGray	★ ★ ★	zero	6.3	0.34
6.38 Clear Laminate	★	★★★	6.3	0.62
6.38 Green Laminate	★ ☆	★★★	6.3	0.57
6.38 Grey Laminate	★ ★	★★ ☆	6.3	0.48
6.38 Cool Blue Laminate	★ ☆	★★★	6.3	0.58
6.38 Sky Blue Laminate	★ ☆	★★★	6.3	0.54
6.38 Evergreen Laminate	★ ★ ☆	★★ ☆	6.3	0.39
6.38 Solarplus TS30 Clear Laminate	★ ★ ★	zero	6.3	0.32
6.76 Clear Laminate	★ ☆	★★★	6.2	0.61
3 Sungate500 Low E	★ ★	★★★★ ☆	4.9	0.58
4 Sungate500 Low E	★ ★	★★★★ ☆	4.9	0.57
6 Eclipse Advantage Clear Low-E	★ ★ ☆	★★★	4.9	0.49
6 Eclipse Advantage Blue Green Low E	★ ★ ★ ☆	★★★ ☆	4.9	0.36
6 Eclipse Advantage Grey Low E	★ ★ ★ ☆	★★★ ☆	4.9	0.33
6 Eclipse Advantage Arctic Blue Low E	★ ★ ★ ☆	★★★ ☆	4.9	0.29
6 Eclipse Advantage Evergreen Low E	★ ★ ★ ☆	★★★ ☆	4.9	0.29
3 Energy Advantage Low E	★ ★	★★★★ ☆	4.8	0.57
4 Energy Advantage Low E	★ ★	★★★★ ☆	4.8	0.56
6 Energy Advantage Low E	★ ★	★★★★ ☆	4.7	0.55
6.38 Solect Clear Low E Laminate	★ ★ ☆	★★★★ ☆	4.7	0.53
6.38 Solect Green Low E Laminate	★ ★ ★	★★★★	4.7	0.39
6.38 Solect Grey Low E Laminate	★ ★ ★ ☆	★★★ ☆	4.7	0.35
6.38 Optilight HL129 Laminate	★ ★ ★	★★★★	4.7	0.39
6.38 ComfortPlus Clear Low E Laminate	★ ★ ☆	★★★★ ☆	4.7	0.53
6.38 ComfortPlus Neutral Low E Laminate	★ ★ ★	★★★★	4.7	0.40
6.38 ComfortPlus Green Low E Laminate	★ ★ ★	★★★★	4.7	0.40
6.38 ComfortPlus Grey Low E Laminate	★ ★ ★	★★★★	4.7	0.39

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.

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Glazing Type	Cooling Stars	Heating Stars	Uw	SHGCw
6 Clear/8 air/6 Clear IGU	★ ★ ☆	★ ★ ★ ★	4.2	0.56
6 Green/8 air/6 Clear IGU	★ ★ ★ ☆	★ ★ ★ ☆	4.2	0.40
6 Grey/8 air/6 Clear IGU	★ ★ ★ ☆	★ ★ ★	4.2	0.37
6 Bronze/8 air/6 Clear IGU	★ ★ ★ ☆	★ ★ ★ ☆	4.2	0.40
6 Evergreen/8 air/6 Clear IGU	★ ★ ★ ★	★ ★ ★	4.2	0.33
6 Azuria/8 air/6 Clear IGU	★ ★ ★ ★	★ ★ ★	4.2	0.32
6.38 Clear Laminate/8 air/6 Clear IGU	★ ★ ☆	★ ★ ★ ★	4.1	0.54
6.38 Green Laminate/8 air/6 Clear IGU	★ ★ ★	★ ★ ★ ☆	4.1	0.49
6.38 Grey Laminate/8 air/6 Clear IGU	★ ★ ★ ☆	★ ★ ★ ☆	4.1	0.40
3 Clear/14 air/3 Clear IGU	★ ★	★ ★ ★ ★ ☆	4.0	0.61
4 Clear/12 air/4 Clear IGU	★ ★	★ ★ ★ ★	4.0	0.59
4 Green/12 air/4 Clear IGU	★ ★ ★	★ ★ ★ ☆	4.0	0.45
4 Grey/12 air/4 Clear IGU	★ ★ ★	★ ★ ★ ☆	4.0	0.43
4 Azuria/12 air/4 Clear IGU	★ ★ ★ ☆	★ ★ ★ ☆	4.0	0.37
5 Clear/10 air/5 Clear IGU	★ ★	★ ★ ★ ★	4.1	0.58
5 Green/10 air/5 Clear IGU	★ ★ ★	★ ★ ★ ☆	4.1	0.43
5 Grey/10 air/5 Clear IGU	★ ★ ★ ☆	★ ★ ★ ☆	4.1	0.40
5 Evergreen/10 air/5 Clear IGU	★ ★ ★ ☆	★ ★ ★ ☆	4.1	0.37
6 Energy Advantage Low E (S2)/8 air/6 Clear IGU	★ ★ ★	★ ★ ★ ★	3.7	0.49
3 Sungate500 Low E (S2)/14 air/3 Clear IGU	★ ★ ★	★ ★ ★ ★ ☆	3.4	0.50
3 Energy Advantage Low E (S2) /14 air/3 Clear IGU	★ ★ ★	★ ★ ★ ★ ☆	3.5	0.52
3 Clear/14 air/3 Energy Advantage Low E (S3) IGU	★ ★ ☆	★ ★ ★ ★ ☆	3.5	0.57
4 Sungate500 Low E (S2)/12 air/4 Clear IGU	★ ★ ★	★ ★ ★ ★ ☆	3.5	0.52
4 Clear/12 air/4 Sungate500 Low E (S3) IGU	★ ★ ☆	★ ★ ★ ★ ☆	3.5	0.55
4 Green/12 air/4 Sungate500 Low E (S3) IGU	★ ★ ★ ☆	★ ★ ★ ★	3.5	0.41
4 Grey/12 air/4 Sungate500 Low E (S3) IGU	★ ★ ★ ☆	★ ★ ★ ★	3.5	0.39
4 Azuria/12 air/4 Sungate500 Low E (S3) IGU	★ ★ ★ ★	★ ★ ★ ☆	3.5	0.33
4 Energy Advantage Low E (S2)/12 air/4 Clear IGU	★ ★ ★	★ ★ ★ ★ ☆	3.5	0.51
4 Clear/12 air/4 Energy Advantage Low E (S3) IGU	★ ★ ☆	★ ★ ★ ★ ☆	3.5	0.55
4 Green/12 air/4 Energy Advantage Low E (S3) IGU	★ ★ ★ ☆	★ ★ ★ ★	3.5	0.41
4 Grey/12 air/4 Energy Advantage Low E (S3) IGU	★ ★ ★ ☆	★ ★ ★ ★	3.5	0.39
4 Azuria/12 air/4 Energy Advantage Low E (S3) IGU	★ ★ ★ ★	★ ★ ★ ☆	3.5	0.32
4 Solarban60 Low E (S2)/12 air/4 Clear IGU	★ ★ ★ ★ ☆	★ ★ ★ ☆	3.3	0.32
4 Green/12 air/4 SolarBan60 Low E (S3) IGU	★ ★ ★ ★ ☆	★ ★ ★ ☆	3.3	0.32
4 Grey/12 air/4 SolarBan60 Low E (S3) IGU	★ ★ ★ ★ ☆	★ ★ ★ ☆	3.3	0.27

NOTES

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3. Static performance (Uw SHGCw) calculated using Window 5.2 and Therm 5.2 software (LBNL), 2000-2003
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