8381 Single Hung Air, Water, Structural Performance

(per AAMA/WDMA/CSA 101/I.S.2/A440-05)

Rating (DP) [1]	Max. Structural Pressure	Water Infiltration [2]	Air Infiltration [3]	Size Tested
R25	37.50	6.00	0.06	52 X 72
HUD Zone III	58.00	2.86	0.19	36 x 60
R60	90.00	9.00	0.02	44 x 66
R60 (EP Upgrade)	90.00	9.00	0.03	52 x 72
Impact Model Rating - DP50, Large Missile Impact, Wind Zone 4, 43.5" x 65.5" TTT				

[1] Structural Test Pressure (psf) tested to at least 150% of DP rating

[2] Water Infiltration (psf) tested to at least 15% of DP rating

[3] Air infiltration units = scfm/ft^2

8381 Single Hung Thermal Performance

per NFRC 100 & 200 (values in parentheses have grids)

Glass Type	Unit u-value	Unit SHGC [5]	Unit VLT [6]	EnergyStar Qualification				R-5 Initiative			
				Northern	N. Central	S. Central	Southern	Northern	N. Central	S. Central	Southern
Clear insulating glass (clear/clear)											
Clear	0.47	0.66 (0.60)	0.69 (0.61)								
Clear/Impact [11]	0.50 (0.51)	0.55 (0.50)	0.66 (0.59)								
Stock Low E insulating glass (RLE 63/31 [12] low e/clear, surface #2)											
RLE 6331	0.32	0.27 (0.24)	0.53 (0.47)								
RLE 6331/Argon	0.28	0.27 (0.24)	0.53 (0.47)								
RLE 6331/Argon/Impact [11]	0.28 (0.29)	0.26 (0.24)	0.51 (0.45)								
Additional Performance Glass Options											
Low E insulating glass (RLE 71/38 [12] low e/clear, surface #2)											
RLE 7138	0.32	0.33 (0.30)	0.59 (0.53)								
RLE 7138/Argon	0.28	0.33 (0.30)	0.59 (0.53)								
Reversed Low E insulating glass (clear/RLE 71/38 low e, surface #3) [8]											
RLE 7138	0.32	0.40 (0.37)	0.59 (0.53)								
RLE 7138/Argon	0.28	0.40 (0.37)	0.59 (0.53)								
Triple insulating glass (71/38 low e/clear/71/38 low e, surface #2,#5)											
RLE 7138/CLR/RLE 7138/Argon [7]	0.24 (0.25)	0.28 (0.26)	0.47 (0.42)								
RLE 7138/CLR/RLE 7138/Blend [7,10]	0.20 (0.21)	0.28 (0.26)	0.47 (0.42)								
RLE 7138/CLR/RLE 7138/Krypton [7]	0.18 (0.19)	0.28 (0.26)	0.47 (0.42)								

[5] Solar Heat Gain Coefficient

[6] Visible Light Transmission

[7] Subject to glass size limitations

[8] Low E coating on surface #3 to increase SHGC

[9] Blend is approximately 45% Krypton, 45% Argon, 10% Air

[10] Blend for triple IG is Krypton in one airspace, Argon in the other.

[11] Laminated glass used in Paradigm Impact windows meets the requirements of ASTM C 1172

[12] 71/38 Low E is regular residential SHGC glass. 63/31 Low E is low SHGC glass.

Note: Some listed options may require special pricing and have extended lead times