

Fixed Modular Terrace Door In-House Thermal Simulations

Cardinal Glazing							
[272-Clear] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.35	0.34	0.58	33	0.33	0.33	0.57	49
[272-i89] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.31	0.33	0.57	32	0.28	0.32	0.55	46
[366-Clear] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.35	0.24	0.52	33	0.32	0.23	0.51	49
[366 - i89] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.30	0.23	0.51	32	0.28	0.22	0.50	47
[366 - 180 - i89] [¾/16" - ¾/16" - ¾/16" Triple-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.26	0.21	0.45	31	0.21	0.20	0.44	49
Vitro Glazing							
[Solarban 60-Clear] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.35	0.33	0.59	33	0.32	0.32	0.57	49
[Solarban 70-Clear] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.35	0.23	0.52	33	0.32	0.23	0.51	49
Guardian Glazing							
[SN68-Clear] [¼" - ¼" Double-Pane Glazing]							
Generation 2				Generation 3			
U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
0.35	0.32	0.56	33	0.32	0.31	0.55	49

Note: Not all configurations shown are NFRC Certified products. Solar Innovations, Inc. is not a NFRC accredited certified simulation laboratory. Results listed are for reference only. Actual NFRC values may vary. Units were modeled to NFRC -100, NFRC-200, and NFRC-500 standards using the standard size for each unit. All values are calculated using Windows 6.3 / THERM 6.3 programs by Lawrence Berkeley National Laboratory. Custom glass thermal simulations are available upon customer request.