

Mulled Window System In-House Thermal Simulations

Cardinal Glazing					Vitro Glazing				
[272-Clear] [¼" - ¼" Double-Pane Glazing]					[Solarban 60-Clear] [¼" - ¼" Double-Pane Glazing]				
Operation	U-Value	SHGC	VT	Condensation	Operation	U-Value	SHGC	VT	Condensation
Casement	0.46	0.25	0.40	49	Casement	0.46	0.24	0.41	49
Awning	0.47	0.25	0.40	48	Awning	0.47	0.24	0.41	48
Hopper	0.44	0.25	0.40	53	Hopper	0.43	0.24	0.41	53
Fixed	0.36	0.34	0.57	52	Fixed	0.35	0.33	0.58	52
[272-i89] [¼" - ¼" Double-Pane Glazing]					[Solarban 70-Clear] [¼" - ¼" Double-Pane Glazing]				
Operation	U-Value	SHGC	VT	Condensation	Operation	U-Value	SHGC	VT	Condensation
Casement	0.44	0.25	0.39	43	Casement	0.46	0.18	0.36	49
Awning	0.45	0.25	0.39	42	Awning	0.46	0.18	0.36	48
Hopper	0.41	0.25	0.39	43	Hopper	0.43	0.17	0.36	53
Fixed	0.32	0.33	0.56	43	Fixed	0.35	0.23	0.51	52
[366-Clear] [¼" - ¼" Double-Pane Glazing]					Guardian Glazing				
					[SN68-Clear] [¼" - ¼" Double-Pane Glazing]				
Operation	U-Value	SHGC	VT	Condensation	Operation	U-Value	SHGC	VT	Condensation
Casement	0.46	0.18	0.36	49	Casement	0.46	0.24	0.39	49
Awning	0.46	0.18	0.36	48	Awning	0.47	0.24	0.39	48
Hopper	0.43	0.17	0.36	53	Hopper	0.43	0.24	0.39	53
Fixed	0.35	0.23	0.51	52	Fixed	0.36	0.32	0.55	52
[366 - i89] [¼" - ¼" Double-Pane Glazing]									
Operation	U-Value	SHGC	VT	Condensation					
Casement	0.44	0.17	0.35	43					
Awning	0.44	0.17	0.35	42					
Hopper	0.41	0.17	0.35	43					
Fixed	0.31	0.23	0.50	43					
[366 - 180 - i89] [³/₁₆" - ³/₁₆" - ³/₁₆" Triple-Pane Glazing]									
Operation	U-Value	SHGC	VT	Condensation					
Casement	0.37	0.16	0.31	50					
Awning	0.37	0.15	0.31	49					
Hopper	0.38	0.15	0.31	48					
Fixed	0.23	0.20	0.44	54					

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.