

Sliding Glass Door In-House Thermal Simulations

Cardinal Glazing									Vitro Glazing								
[272-Clear] [¼" - ¼" Double-Pane Glazing]									[Solarban 60-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Thermally Broken				G3 Thermally Broken					G2 Thermally Broken				G3 Thermally Broken				
Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Hook-Hook	0.39	0.32	0.56	41	0.40	0.31	0.53	44	Hook-Hook	0.39	0.31	0.56	41	0.40	0.30	0.53	45
Highwind Hook	0.40	0.32	0.55	43	-	-	-	-	Highwind Hook	0.40	0.31	0.56	43	-	-	-	-
Hurricane Hook	0.41	0.32	0.55	43	0.41	0.31	0.53	47	Hurricane Hook	0.40	0.31	0.56	43	0.41	0.30	0.53	47
[272-i89] [¼" - ¼" Double-Pane Glazing]									[Solarban 70-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Thermally Broken				G3 Thermally Broken					G2 Thermally Broken				G3 Thermally Broken				
Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Hook-Hook	0.35	0.32	0.54	40	0.36	0.30	0.51	43	Hook-Hook	0.38	0.22	0.51	41	0.39	0.21	0.49	44
Highwind Hook	0.36	0.32	0.54	42	-	-	-	-	Highwind Hook	0.39	0.22	0.51	43	-	-	-	-
Hurricane Hook	0.37	0.32	0.54	42	0.37	0.30	0.51	44	Hurricane Hook	0.40	0.22	0.51	43	0.40	0.21	0.49	47
[366-Clear] [¼" - ¼" Double-Pane Glazing]									Guardian Glazing								
G2 Thermally Broken				G3 Thermally Broken					[SN68-Clear] [¼" - ¼" Double-Pane Glazing]								
G2 Thermally Broken				G3 Thermally Broken					G2 Thermally Broken				G3 Thermally Broken				
Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Hook-Hook	0.38	0.22	0.50	41	0.40	0.21	0.47	44	Hook-Hook	0.39	0.30	0.54	41	0.40	0.29	0.51	44
Highwind Hook	0.40	0.22	0.50	43	-	-	-	-	Highwind Hook	0.40	0.30	0.54	43	-	-	-	-
Hurricane Hook	0.40	0.22	0.50	43	0.41	0.21	0.47	47	Hurricane Hook	0.40	0.30	0.54	43	0.41	0.29	0.51	47
[366 - i89] [¼" - ¼" Double-Pane Glazing]																	
G2 Thermally Broken				G3 Thermally Broken													
Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation									
Hook-Hook	0.34	0.22	0.49	40	0.36	0.21	0.46	43									
Highwind Hook	0.35	0.22	0.49	42	-	-	-	-									
Hurricane Hook	0.36	0.22	0.49	42	0.37	0.21	0.46	44									
[366 - 180 - i89] [⅜" - ⅜" - ⅜" Triple-Pane Glazing]																	
G2 Thermally Broken				G3 Thermally Broken													
Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation									
Hook-Hook	0.30	0.20	0.44	41	-	-	-	-									
Highwind Hook	0.31	0.20	0.44	44	-	-	-	-									
Hurricane Hook	0.32	0.20	0.44	43	-	-	-	-									
[366 - 180 - i89] [⅜" - ⅜" - ⅜" Triple-Pane Glazing]																	
G2 Thermally Broken				G3 Thermally Broken													
Interlock	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation									
Hook-Hook	-	-	-	-	0.30	0.19	0.41	44									
Highwind Hook	-	-	-	-	-	-	-	-									
Hurricane Hook	-	-	-	-	0.31	0.19	0.41	47									

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.