

### Curtain Wall In-House Thermal Simulations

Cardinal Glazing									
[272-Clear] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.34	0.35	0.61	57	2½" x 4"	0.34	0.35	0.60	61
2" x 4"	0.34	0.35	0.61	58	2½" x 6"	0.35	0.35	0.60	62
G2 HGB	0.35	0.35	0.61	59	2½" x 8"	0.35	0.35	0.59	62
2" x 8"	0.36	0.35	0.61	60	2½" x 9¾"	0.35	0.35	0.60	62
2" x 10"	0.35	0.36	0.60	61					
[272-i89] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.30	0.34	0.59	48	2½" x 4"	0.30	0.34	0.58	52
2" x 4"	0.30	0.34	0.59	49	2½" x 6"	0.31	0.34	0.58	53
G2 HGB	0.31	0.34	0.59	50	2½" x 8"	0.31	0.34	0.58	54
2" x 8"	0.31	0.34	0.59	51	2½" x 9¾"	0.31	0.34	0.58	54
2" x 10"	0.32	0.34	0.59	52					
[366-Clear] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.33	0.24	0.55	57	2½" x 4"	0.34	0.24	0.53	61
2" x 4"	0.33	0.24	0.55	59	2½" x 6"	0.34	0.24	0.53	62
G2 HGB	0.35	0.24	0.55	59	2½" x 8"	0.34	0.24	0.53	63
2" x 8"	0.35	0.24	0.55	61	2½" x 9¾"	0.34	0.24	0.53	63
2" x 10"	0.35	0.24	0.55	62					
[366 - i89] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.29	0.24	0.53	48	2½" x 4"	0.30	0.23	0.52	53
2" x 4"	0.29	0.24	0.53	50	2½" x 6"	0.30	0.23	0.52	53
G2 HGB	0.30	0.24	0.53	50	2½" x 8"	0.30	0.23	0.52	55
2" x 8"	0.31	0.24	0.53	52	2½" x 9¾"	0.30	0.23	0.52	55
2" x 10"	0.31	0.24	0.53	53					
[366 - 180 - i89] [⅓" - ⅝" - ⅝" Triple-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.21	0.20	0.46	66	2½" x 4"	0.21	0.20	0.45	66
2" x 4"	0.21	0.20	0.46	65	2½" x 6"	0.20	0.20	0.45	66
G2 HGB	0.21	0.20	0.46	65	2½" x 8"	0.21	0.20	0.45	66
2" x 8"	0.21	0.20	0.46	67	2½" x 9¾"	0.21	0.20	0.45	67
2" x 10"	0.21	0.20	0.46	67					
Vitro Glazing									
[Solarban 60-Clear] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.33	0.34	0.61	58	2½" x 4"	0.34	0.34	0.60	61
2" x 4"	0.34	0.34	0.61	59	2½" x 6"	0.34	0.34	0.60	62
G2 HGB	0.35	0.36	0.61	60	2½" x 8"	0.35	0.34	0.60	63
2" x 8"	0.35	0.34	0.61	61	2½" x 9¾"	0.35	0.34	0.60	62
2" x 10"	0.35	0.34	0.61	62					
[Solarban 70-Clear] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.33	0.24	0.55	57	2½" x 4"	0.34	0.24	0.55	61
2" x 4"	0.34	0.24	0.55	59	2½" x 6"	0.34	0.24	0.55	62
G2 HGB	0.35	0.24	0.55	60	2½" x 8"	0.34	0.24	0.55	63
2" x 8"	0.35	0.24	0.55	62	2½" x 9¾"	0.35	0.35	0.60	62
2" x 10"	0.35	0.24	0.55	62					
Guardian Glazing									
[SN68-Clear] [¼" - ¾" Double-Pane Glazing]									
2 Inch System					2½ Inch System				
Bar Type	U-Value	SHGC	VT	Condensation	Bar Type	U-Value	SHGC	VT	Condensation
G2 RGB	0.34	0.33	0.59	57	2½" x 4"	0.34	0.33	0.58	61
2" x 4"	0.34	0.33	0.59	58	2½" x 6"	0.35	0.33	0.58	63
G2 HGB	0.35	0.33	0.59	59	2½" x 8"	0.35	0.33	0.58	63
2" x 8"	0.36	0.33	0.59	60	2½" x 9¾"	0.35	0.33	0.58	62
2" x 10"	0.36	0.33	0.59	61					

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.