

## Terrace Door In-House Thermal Simulations

Cardinal Glazing																
[272-Clear] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.45	0.29	0.47	31	0.47	0.28	0.45	31	0.42	0.26	0.42	43	0.44	0.24	0.38	43
[272-i89] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.41	0.28	0.44	30	0.43	0.27	0.44	30	0.39	0.25	0.41	42	0.41	0.23	0.37	43
[366-Clear] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.44	0.20	0.42	31	0.46	0.20	0.40	31	0.41	0.18	0.38	43	0.43	0.18	0.38	43
[366 - i89] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.41	0.20	0.41	30	0.43	0.19	0.39	30	0.38	0.18	0.37	42	0.41	0.16	0.33	43
[366 - 180 - i89] [ <sup>3</sup> / <sub>16</sub> " - <sup>3</sup> / <sub>16</sub> " - <sup>3</sup> / <sub>16</sub> " Triple-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.37	0.18	0.36	30	0.39	0.17	0.35	30	0.33	0.16	0.33	43	0.36	0.15	0.29	43
Vitro Glazing																
[Solarban 60-Clear] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.45	0.28	0.47	31	0.46	0.27	0.45	31	0.41	0.25	0.43	43	0.43	0.23	0.38	43
[Solarban 70-Clear] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.44	0.20	0.42	31	0.46	0.20	0.40	31	0.41	0.18	0.38	43	0.43	0.17	0.34	43
Guardian Glazing																
[SN68-Clear] [¼" - ¼" Double-Pane Glazing]																
G2 French Door					G2 Single Door				G3 French Door				G3 Single Door			
Operation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation	U-Value	SHGC	VT	Condensation
Outswing	0.45	0.27	0.46	31	0.47	0.26	0.44	31	0.42	0.24	0.41	43	0.43	0.22	0.37	43

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.