

Wood Curtain Wall In-House Thermal Simulations

| Cardinal Glazing | | | | | Vitro Glazing | | | | |
|--|---------|------|------|--------------|---|---------|------|------|--------------|
| [272-Clear] [¼" - ¼" Double-Pane Glazing] | | | | | [Solarban 60-Clear] [¼" - ¼" Double-Pane Glazing] | | | | |
| Bar Type | U-Value | SHGC | VT | Condensation | Bar Type | U-Value | SHGC | VT | Condensation |
| 2½" x 4" | 0.29 | 0.34 | 0.59 | 49 | 2½" x 4" | 0.29 | 0.33 | 0.60 | 49 |
| 2½" x 6" | 0.29 | 0.34 | 0.59 | 49 | 2½" x 6" | 0.29 | 0.33 | 0.60 | 49 |
| 2½" x 8" | 0.29 | 0.34 | 0.59 | 49 | 2½" x 8" | 0.29 | 0.33 | 0.60 | 49 |
| [272-i89] [¼" - ¼" Double-Pane Glazing] | | | | | [Solarban 70-Clear] [¼" - ¼" Double-Pane Glazing] | | | | |
| Bar Type | U-Value | SHGC | VT | Condensation | Bar Type | U-Value | SHGC | VT | Condensation |
| 2½" x 4" | 0.24 | 0.33 | 0.58 | 40 | 2½" x 4" | 0.28 | 0.23 | 0.55 | 50 |
| 2½" x 6" | 0.24 | 0.33 | 0.58 | 40 | 2½" x 6" | 0.28 | 0.23 | 0.55 | 49 |
| 2½" x 8" | 0.24 | 0.33 | 0.58 | 40 | 2½" x 8" | 0.28 | 0.23 | 0.55 | 49 |
| [366-Clear] [¼" - ¼" Double-Pane Glazing] | | | | | Guardian Glazing | | | | |
| | | | | | [SN68-Clear] [¼" - ¼" Double-Pane Glazing] | | | | |
| Bar Type | U-Value | SHGC | VT | Condensation | Bar Type | U-Value | SHGC | VT | Condensation |
| 2½" x 4" | 0.28 | 0.23 | 0.53 | 50 | 2½" x 4" | 0.29 | 0.32 | 0.58 | 49 |
| 2½" x 6" | 0.28 | 0.23 | 0.53 | 49 | 2½" x 6" | 0.29 | 0.32 | 0.58 | 49 |
| 2½" x 8" | 0.28 | 0.23 | 0.53 | 49 | 2½" x 8" | 0.29 | 0.32 | 0.58 | 49 |
| [366 - i89] [¼" - ¼" Double-Pane Glazing] | | | | | | | | | |
| Bar Type | U-Value | SHGC | VT | Condensation | | | | | |
| 2½" x 4" | 0.24 | 0.23 | 0.52 | 41 | | | | | |
| 2½" x 6" | 0.24 | 0.23 | 0.52 | 41 | | | | | |
| 2½" x 8" | 0.24 | 0.23 | 0.52 | 41 | | | | | |
| [366 - 180 - i89] [⅛" - ⅛" - ⅛" Triple-Pane Glazing] | | | | | | | | | |
| Bar Type | U-Value | SHGC | VT | Condensation | | | | | |
| 2½" x 4" | 0.20 | 0.21 | 0.47 | 49 | | | | | |
| 2½" x 6" | 0.20 | 0.21 | 0.47 | 48 | | | | | |
| 2½" x 8" | 0.20 | 0.21 | 0.47 | 48 | | | | | |

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.