

Armorcoat® 8 Mil Stainless Steel 20

| Performance Results | 1/8" (3mm) | 1/4" (6mm) | 1/8" + 1/8" (3mm+3mm) |
|--|---------------|---------------|--------------------------|
| Solar energy | | | |
| % Transmittance | 20 | 18 | 17 |
| % Absorptance | 58 | 62 | 60 |
| % Reflectance | 22 | 20 | 24 |
| Visible light | | | |
| % Transmittance | 21 | 21 | 20 |
| % Reflectance exterior | 26 | 26 | 30 |
| % Reflectance interior | 24 | 24 | 24 |
| Emissivity | .86 | .86 | .86 |
| Winter U-Factor (BTU hr/ft ² °F) | 1.05 | 1.10 | .48 |
| Shading coefficient | .43 | .41 | .57 |
| Solar heat gain coefficient | .37 | .36 | .49 |
| Solar selectivity index – luminous efficacy (VLT/SC) | .49 | .50 | .34 |
| Light to solar heat gain factor (VLT/SHGC) | .57 | .58 | .40 |
| % Ultraviolet light blocked @ 300 to 380 nm | >99 | >99 | >99 |
| % Total solar energy rejected | 63 | 64 | 51 |
| % Summer solar heat gain reduction | 57 | 56 | 34 |
| % Glare reduction | 76 | 76 | 76 |

Physical Properties Nominal

| | |
|--------------------------|--|
| Gauge | 8.0 mil (200 micron) |
| Peel strength | >2,500 g/in (985 g/cm) |
| Tensile strength | 30,000 lbs/in ² (2,110 kg/cm ²) |
| Break strength | 240 lbs/in (43 kg/cm) |
| ASTM D4830 puncture test | 141 lbs (64 kg) |

For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.