

Armorcoat® 8 Mil Silver 20

| Performance Results | 1/8" (3mm) | 1/4" (6mm) | 1/8" + 1/8" (3mm+3mm) |
|--|---------------|---------------|--------------------------|
| Solar energy | | | |
| % Transmittance | 10 | 9 | 9 |
| % Absorptance | 39 | 47 | 46 |
| % Reflectance | 51 | 44 | 45 |
| Visible light | | | |
| % Transmittance | 14 | 14 | 14 |
| % Reflectance exterior | 58 | 56 | 58 |
| % Reflectance interior | 59 | 59 | 60 |
| Emissivity | .70 | .70 | .70 |
| Winter U-Factor (BTU hr/ft ² °F) | .96 | 1.02 | .46 |
| Shading coefficient | .24 | .25 | .36 |
| Solar heat gain coefficient | .21 | .22 | .31 |
| Solar selectivity index – luminous efficacy (VLT/SC) | .60 | .55 | .38 |
| Light to solar heat gain factor (VLT/SHGC) | .70 | .64 | .45 |
| % Ultraviolet light blocked @ 300 to 380 nm | >99 | >99 | >99 |
| % Total solar energy rejected | 79 | 78 | 70 |
| % Summer solar heat gain reduction | 76 | 73 | 59 |
| % Glare reduction | 84 | 84 | 83 |

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.