

Safety & Security Window Films

# Armorcoat® 4 Mil Clear

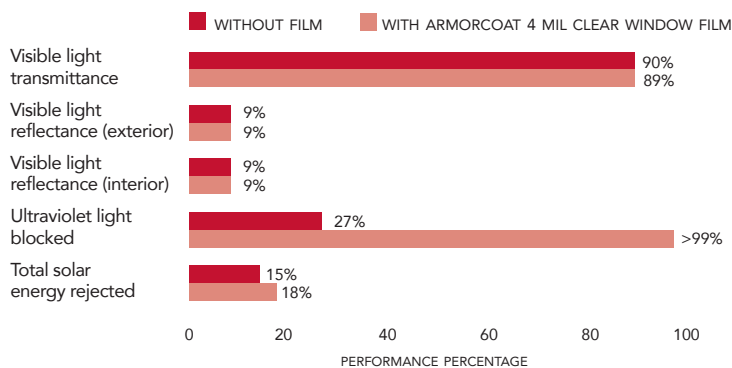
| Performance results                                  | 4mm single | 4mm double |
|--|------------|------------|
| Solar energy   |            |            |
| % Transmittance                                      | 77         | 64         |
| % Absorptance  | 15         | 23         |
| % Reflectance  | 8          | 13         |
| Visible light  |            |            |
| % Transmittance                                      | 89         | 80         |
| % Reflectance exterior                               | 9          | 16         |
| % Reflectance interior                               | 9          | 16         |
| Emissivity   | .90        | .90        |
| Winter U-Factor (W/m <sup>2</sup> °C)                | 6.04       | 2.76       |
| Shading coefficient                                  | .94        | .84        |
| Solar heat gain coefficient                          | .82        | .73        |
| Solar selectivity index – luminous efficacy (VLT/SC) | .94        | .95        |
| Light to solar heat gain factor (VLT/SHGC)           | 1.09       | 1.10       |
| % Ultraviolet light blocked (@ 300 to 380 nm)        | >99        | >99        |
| % Total solar energy rejected                        | 18         | 27         |
| % Summer solar heat gain reduction                   | 3          | 2          |
| % Glare reduction                                    | 1          | 1          |

## Physical properties nominal

|                          |                          |
|--------------------------|--------------------------|
| Gauge                    | 100 micron               |
| Peel strength            | 985 g/cm                 |
| Tensile strength         | 2,110 kg/cm <sup>2</sup> |
| Break strength           | 22 kg/cm                 |
| ASTM D4830 puncture test | 32 kg                    |

## Film performance

Performance results were generated from testing 4mm thick clear glass.



All performance results are based on the film installed on the inside surface of 4mm and 4mm+4mm thick, clear glass.

## Notes

- Solar Gard is a participating member of AIMCAL (the Association of Industrial Metallizers, Coaters and Laminators), IWFA and EWFA. Performance results are calculated using NFRC methodology and LBNL Window 5.2 software, and are subject to variations within industry standards and only intended for estimating purposes.
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- Performance results for summer solar heat gain reduction and glare reduction are calculated by comparing filmed glass to that of untreated glazing.



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