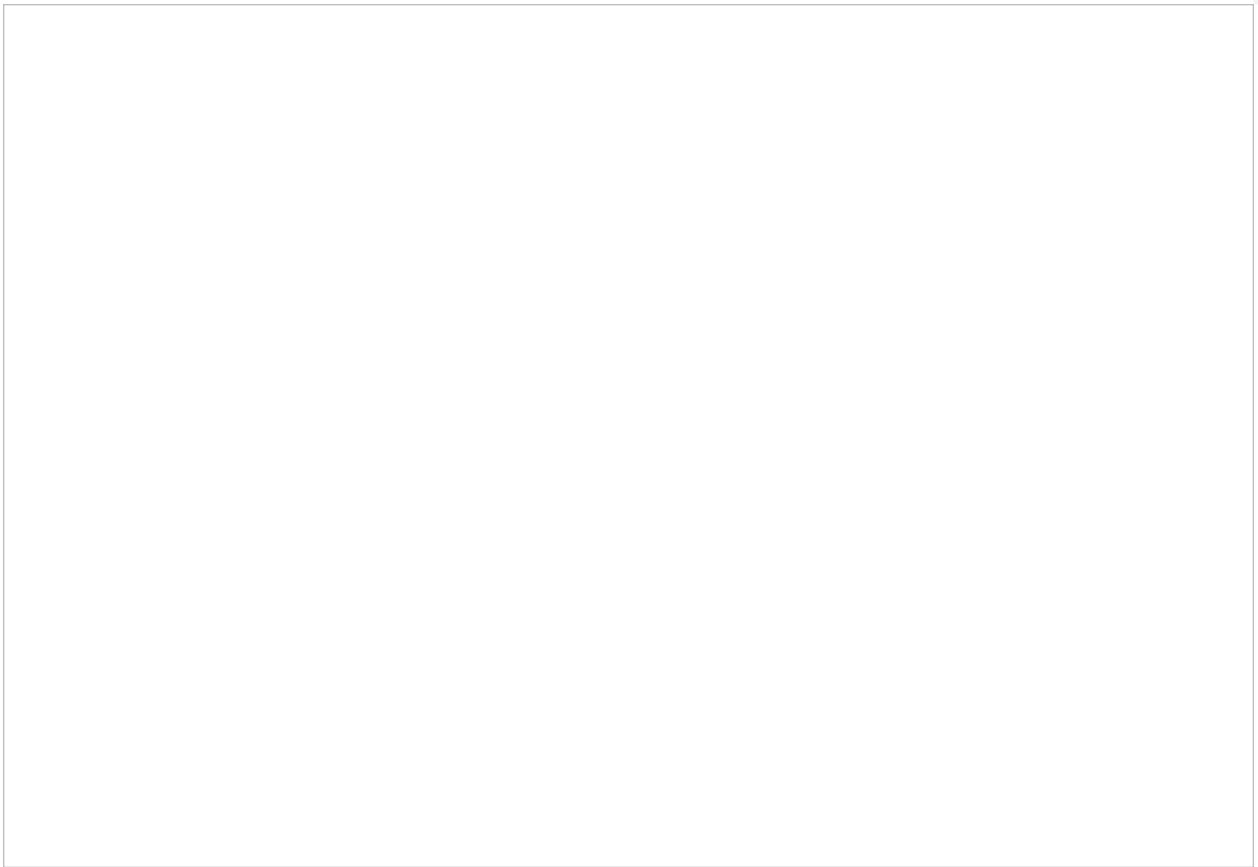


PANORAMA® SLATE 40



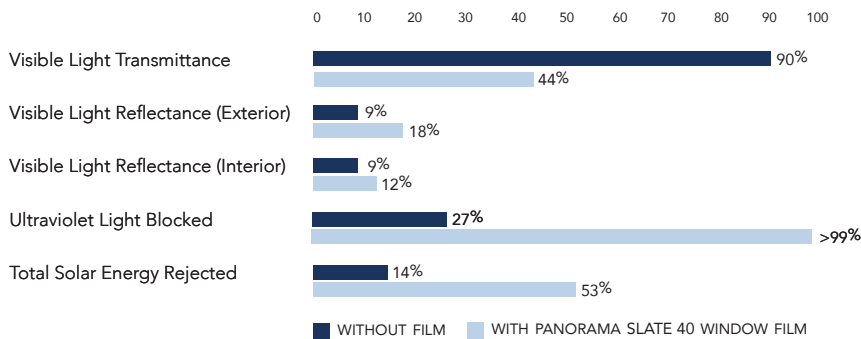
INTERIOR VIEW

PANORAMA® SLATE 40

Slate 40 offers increased heat and glare reduction, added privacy and adequate natural light. This film is lightly tinted, hardly noticeable from inside, with a subtle reflective finish outside.

The Dual-Reflective Slate Series offers exceptional solar rejection performance with a more neutral finish. These films maintain views with reduced interior and exterior reflectance, while increasing privacy by day, and offering minimal reflectivity at night. The Slate Series is ideal for applications where glare is a primary consideration.

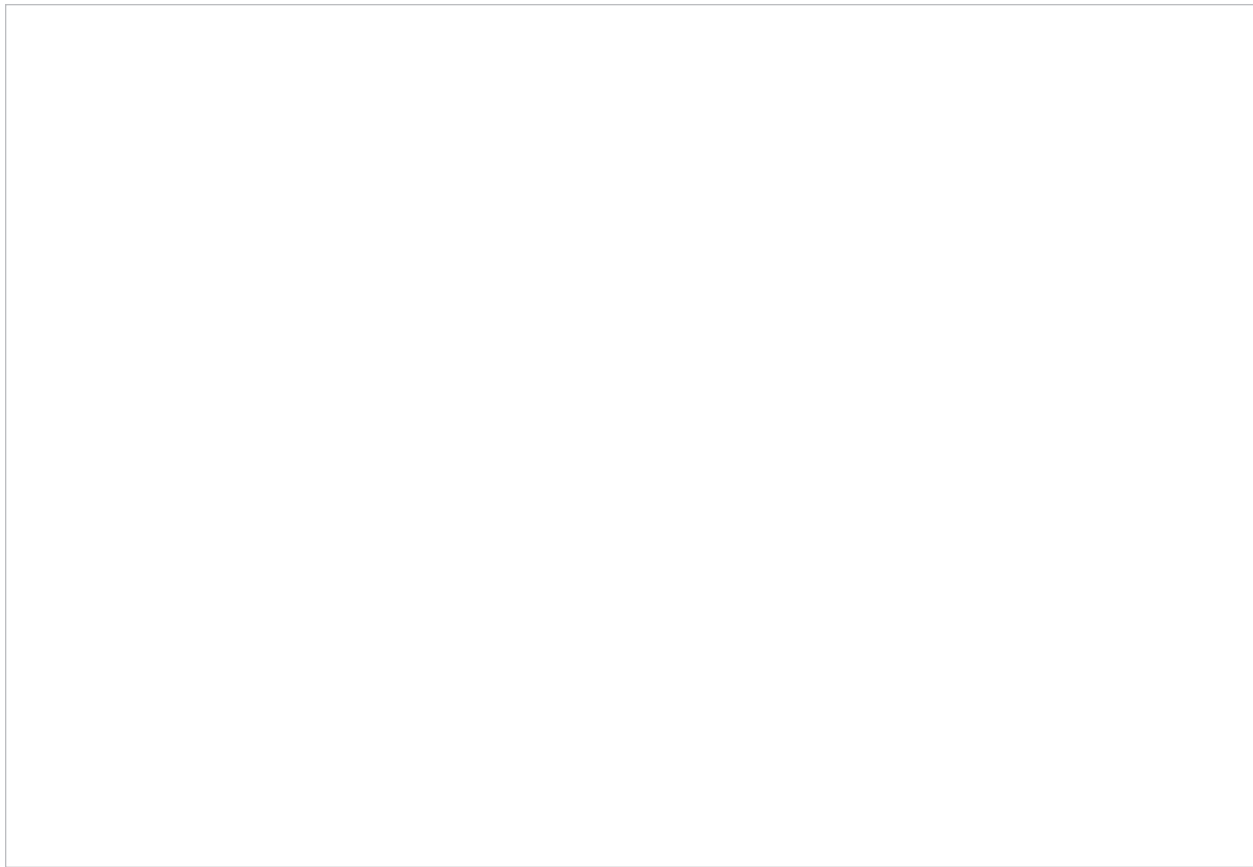
Comparison of performance on 1/8" (3mm) thick clear glass.



ONLY AVAILABLE THROUGH A PANORAMA DEALER

www.solargard.com/panorama

PANORAMA® SLATE 40



EXTERIOR VIEW

Performance Parameters for Different Window Types

| | 1/8" (3mm) Single clear | | 1/4" (6 mm) Single clear | | 1/8" (3mm) Double clear | | 1/4" (6mm) Double clear | |
|--|-------------------------|----------|--------------------------|----------|-------------------------|----------|-------------------------|----------|
| | No film | Slate 40 | No film | Slate 40 | No film | Slate 40 | No film | Slate 40 |
| Visible light | | | | | | | | |
| Transmittance % | 90 | 44 | 89 | 44 | 81 | 40 | 79 | 39 |
| Reflectance exterior % | 9 | 18 | 9 | 17 | 16 | 23 | 15 | 22 |
| Reflectance interior % | 9 | 12 | 9 | 12 | 16 | 13 | 15 | 13 |
| Glare reduction % | - | 51 | - | 51 | - | 50 | - | 50 |
| Solar energy | | | | | | | | |
| Transmittance % | 83 | 34 | 77 | 32 | 69 | 29 | 61 | 26 |
| Absorptance % | 9 | 43 | 16 | 48 | 18 | 48 | 27 | 55 |
| Reflectance % | 8 | 23 | 7 | 20 | 13 | 23 | 12 | 19 |
| Total solar energy rejected % | 14 | 53 | 18 | 53 | 24 | 46 | 30 | 48 |
| Infrared rejection @ 780 to 2500 nm % ¹ | 20 | 79 | 28 | 81 | - | - | - | - |
| Shading coefficient | .98 | .54 | .94 | .54 | .87 | .62 | .81 | .60 |
| Solar heat gain coefficient | .86 | .47 | .82 | .47 | .76 | .54 | .70 | .52 |
| Light to solar heat gain ratio (VLT/SHGC) | 1.05 | .94 | 1.08 | .93 | 1.08 | .75 | 1.13 | .75 |
| Solar heat gain reduction % | - | 45 | - | 43 | - | 29 | - | 26 |
| Thermal energy | | | | | | | | |
| Emissivity | .84 | .81 | .84 | .81 | .84 | .81 | .84 | .81 |
| Winter U-factor (Btu hr/ft ² °F) | 1.04 | 1.02 | 1.02 | 1.01 | .48 | .48 | .47 | .47 |
| Summer U-factor (Btu hr/ft ² °F) | .94 | .92 | .92 | .91 | .50 | .50 | .50 | .49 |
| Winter heat loss reduction % | - | 2 | - | 1 | - | 0 | - | 0 |
| Ultraviolet light | | | | | | | | |
| Blocked @ 300 to 380 nm % | 27 | >99 | 34 | >99 | 41 | >99 | 50 | >99 |

¹ Infrared rejection = 1 - average unweighted transmittance using ASTM E 903.



ONLY AVAILABLE THROUGH A PANORAMA DEALER

Performance results generated using LBNL Window 7.2 and NFRC standards. For full details and additional information please visit www.solargard.com/panorama.

SK0314PANSL4 08/15
© Copyright 2015, Saint-Gobain Performance Plastics and/or its affiliates

All Rights Reserved • www.solargard.com

