



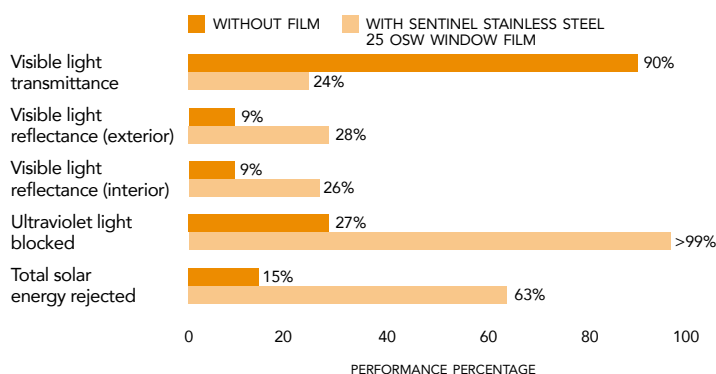
Performance results	4mm single	4mm double
Solar energy		
% Transmittance	22	18
% Absorptance	51	55
% Reflectance	27	27
Visible light		
% Transmittance	24	22
% Reflectance exterior	28	29
% Reflectance interior	26	30
Emissivity	.86	.86
Winter U-Factor (W/m <sup>2</sup> °C)	5.88	2.72
Shading coefficient	.44	.33
Solar heat gain coefficient	.37	.28
Solar selectivity index - luminous efficacy (VLT/SC)	.54	.66
Light to solar heat gain factor (VLT/SHGC)	.63	.77
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	63	72
% Summer solar heat gain reduction	56	62
% Glare reduction	74	73

## Physical properties nominal

Gauge	50 microns
Tensile strength	2,100 kg/cm <sup>2</sup>
Melting point	260 – 265°C

## Film performance

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



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

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### 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.

