

A better environment inside and out.™

Solar Gard® Solar Control Window Films

Sentinel™ Plus Stainless Steel 15 OSW

Performance results

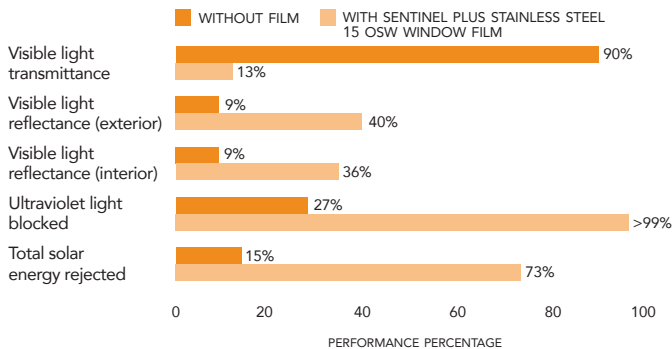
	4mm single	4mm double
Solar energy		
% Transmittance	13	11
% Absorptance	49	51
% Reflectance	38	38
Visible light		
% Transmittance	13	12
% Reflectance exterior	40	40
% Reflectance interior	36	38
Emissivity	.83	.83
Winter U-Factor (W/m ² °C)	5.87	2.71
Shading coefficient	.32	.23
Solar heat gain coefficient	.27	.19
Solar selectivity index - luminous efficacy (VLT/SC)	.41	.54
Light to solar heat gain factor (VLT/SHGC)	.48	.63
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	73	81
% Summer solar heat gain reduction	68	74
% Glare reduction	85	85

Physical properties nominal

Gauge	50 microns
Tensile strength	2,100 kg/cm ²
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 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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