

A better environment inside and out.™

Solar Gard® Solar Control Window Films

Sterling 70

Performance results

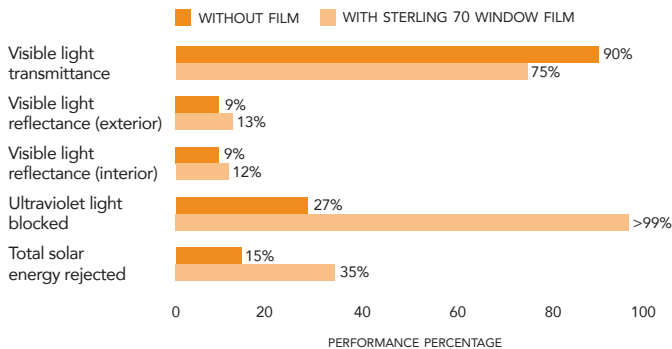
	4mm single	4mm double
Solar energy		
% Transmittance	58	48
% Absorptance	26	34
% Reflectance	16	18
Visible light		
% Transmittance	75	67
% Reflectance exterior	13	19
% Reflectance interior	12	17
Emissivity	.80	.80
Winter U-Factor (W/m ² °C)	5.77	2.69
Shading coefficient	.75	.73
Solar heat gain coefficient	.65	.63
Solar selectivity index - luminous efficacy (VLT/SC)	.99	.93
Light to solar heat gain factor (VLT/SHGC)	1.14	1.07
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	35	37
% Summer solar heat gain reduction	23	15
% Glare reduction	17	16

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.

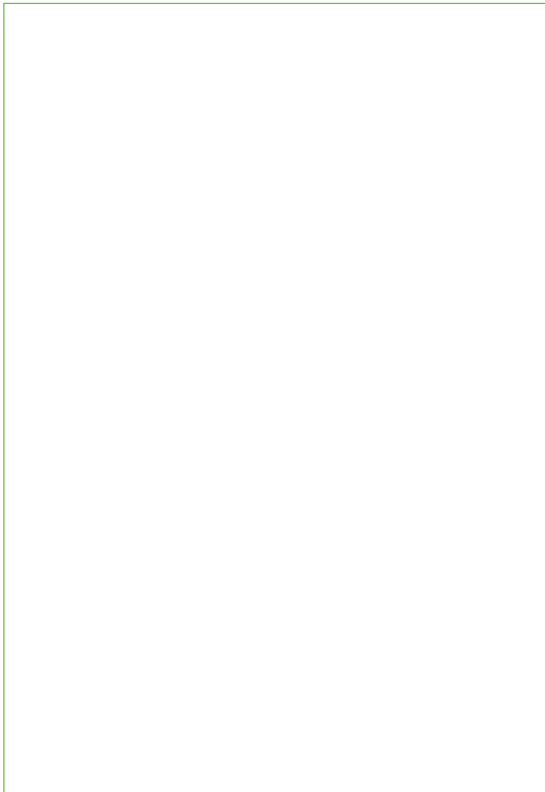


All performance results are based on the film installed on the inside surface of 4mm and 4mm+4mm thick, clear glass.

www.solargard.com

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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.

