

A better environment inside and out.™

Solar Gard® Solar Control Window Films

# Sentinel™ Plus Stainless Steel 40 OSW

## Performance results

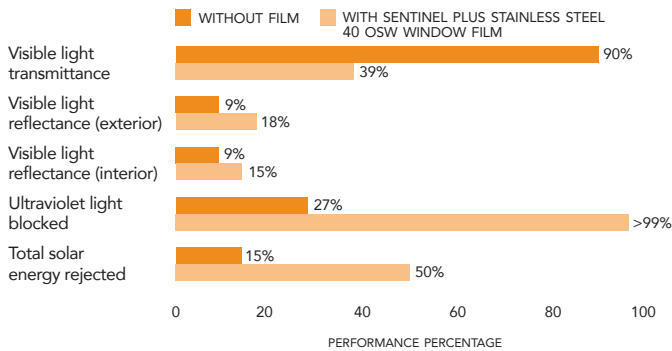
	4mm single	4mm double
Solar energy		
% Transmittance	36	30
% Absorptance	46	51
% Reflectance	18	19
Visible light		
% Transmittance	39	35
% Reflectance exterior	18	19
% Reflectance interior	15	21
Emissivity	.87	.87
Winter U-Factor (W/m <sup>2</sup> °C)	5.88	2.72
Shading coefficient	.58	.46
Solar heat gain coefficient	.50	.39
Solar selectivity index - luminous efficacy (VLT/SC)	.67	.77
Light to solar heat gain factor (VLT/SHGC)	.78	.89
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	50	61
% Summer solar heat gain reduction	41	47
% Glare reduction	57	57

## 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 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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SK0314SSOSW40INT 02/12  
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