

Safety & Security Window Films

Armorcoat® 4 Mil Stainless Steel 50

Performance results

	4mm single	4mm double
Solar energy		
% Transmittance	41	34
% Absorptance	47	51
% Reflectance	12	15
Visible light		
% Transmittance	47	42
% Reflectance exterior	14	20
% Reflectance interior	11	13
Emissivity	.90	.90
Winter U-Factor (W/m ² °C)	6.04	2.76
Shading coefficient	.65	.70
Solar heat gain coefficient	.56	.60
Solar selectivity index – luminous efficacy (VLT/SC)	.72	.60
Light to solar heat gain factor (VLT/SHGC)	.83	.70
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	44	40
% Summer solar heat gain reduction	34	18
% Glare reduction	48	48

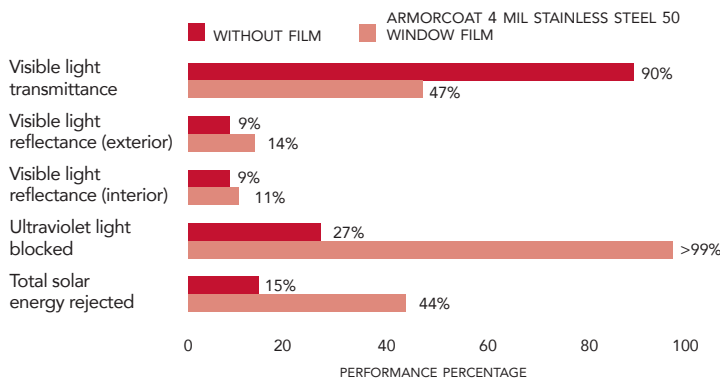
Physical properties nominal

Gauge	100 micron
Peel strength	985 g/cm
Tensile strength	2,110 kg/cm ²
Break strength	22 kg/cm
ASTM D4830 puncture test	32 kg



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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