

Safety & Security Window Films

# Armorcoat® 7 Mil Clear

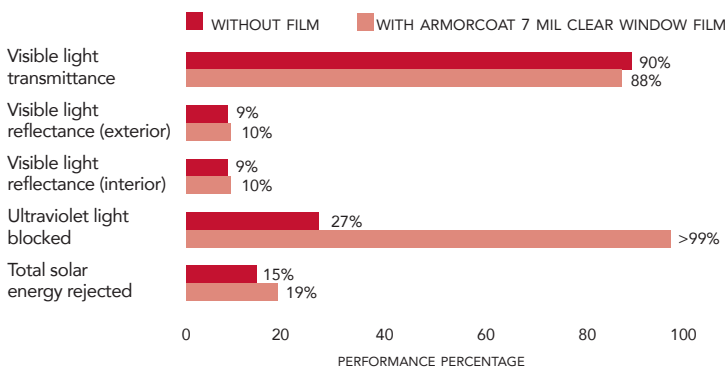
Performance results	4mm single	4mm double
Solar energy		
% Transmittance	77	63
% Absorptance	15	24
% Reflectance	8	13
Visible light		
% Transmittance	88	80
% Reflectance exterior	10	16
% Reflectance interior	10	16
Emissivity	.90	.90
Winter U-Factor (W/m <sup>2</sup> °C)	6.03	2.75
Shading coefficient	.94	.84
Solar heat gain coefficient	.81	.73
Solar selectivity index – luminous efficacy (VLT/SC)	.94	.95
Light to solar heat gain factor (VLT/SHGC)	1.09	1.10
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	19	27
% Summer solar heat gain reduction	4	2
% Glare reduction	1	1

### Physical properties nominal

Gauge	175 micron
Peel strength	985 g/cm
Tensile strength	2,110 kg/cm <sup>2</sup>
Break strength	38 kg/cm
ASTM D4830 puncture test	52 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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