

Armorcoat® 8 Mil Silver 35

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	26	24	22
% Absorptance	40	47	46
% Reflectance	34	29	32
Visible light			
% Transmittance	35	34	33
% Reflectance exterior	35	34	38
% Reflectance interior	33	33	34
Emissivity	.71	.71	.71
Winter U-Factor (BTU hr/ft ² °F)	.97	.95	.46
Shading coefficient	.43	.42	.52
Solar heat gain coefficient	.37	.37	.45
Solar selectivity index – luminous efficacy (VLT/SC)	.82	.81	.63
Light to solar heat gain factor (VLT/SHGC)	.96	.95	.74
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	63	63	55
% Summer solar heat gain reduction	57	55	41
% Glare reduction	61	61	60

Physical Properties Nominal

Gauge	8.0 mil (200 micron)
Peel strength	>2,500 g/in (985 g/cm)
Tensile strength	30,000 lbs/in ² (2,110 kg/cm ²)
Break strength	240 lbs/in (43 kg/cm)
ASTM D4830 puncture test	141 lbs (64 kg)



For information on the calculation method of listed results, as well as a glossary of terms, please refer to the final pages of this booklet.