

Armorcoat® 4 Mil Silver 20

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	11	10	9
% Absorptance	37	45	45
% Reflectance	52	45	46
Visible light			
% Transmittance	15	15	14
% Reflectance exterior	59	56	58
% Reflectance interior	60	60	60
Emissivity	.71	.71	.71
Winter U-Factor (BTU hr/ft ² °F)	.97	1.03	.46
Shading coefficient	.24	.25	.35
Solar heat gain coefficient	.21	.22	.30
Solar selectivity index – luminous efficacy (VLT/SC)	.62	.59	.40
Light to solar heat gain factor (VLT/SHGC)	.73	.68	.47
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	79	78	70
% Summer solar heat gain reduction	76	73	59
% Glare reduction	83	83	83

Physical Properties Nominal

Gauge	4.0 mil (100 micron)
Peel strength	>2,500 g/in (985 g/cm)
Tensile strength	30,000 lbs/in ² (2,110 kg/cm ²)
Break strength	120 lbs/in (22 kg/cm)
ASTM D4830 puncture test	70 lbs (32 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.