

Armorcoat® 4 Mil Stainless Steel 50

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	43	39	36
% Absorptance	46	50	48
% Reflectance	12	11	16
Visible light			
% Transmittance	47	46	43
% Reflectance exterior	13	13	20
% Reflectance interior	11	11	13
Emissivity	.90	.90	.90
Winter U-Factor (BTU hr/ft ² °F)	1.07	1.12	.49
Shading coefficient	.65	.62	.71
Solar heat gain coefficient	.56	.53	.61
Solar selectivity index – luminous efficacy (VLT/SC)	.71	.75	.60
Light to solar heat gain factor (VLT/SHGC)	.83	.87	.69
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	44	46	39
% Summer solar heat gain reduction	35	35	18
% Glare reduction	48	48	48

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.