

Armorcoat® 4 Mil Stainless Steel 35

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	39	36	32
% Absorptance	48	52	50
% Reflectance	14	12	17
Visible light			
% Transmittance	42	42	39
% Reflectance exterior	16	14	21
% Reflectance interior	13	14	15
Emissivity	.87	.87	.87
Winter U-Factor (BTU hr/ft ² °F)	1.05	1.03	.48
Shading coefficient	.61	.60	.69
Solar heat gain coefficient	.53	.51	.59
Solar selectivity index – luminous efficacy (VLT/SC)	.69	.71	.56
Light to solar heat gain factor (VLT/SHGC)	.80	.82	.65
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	47	48	41
% Summer solar heat gain reduction	39	38	21
% Glare reduction	53	53	53

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.