

Armorcoat® 8 Mil Stainless Steel 35

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	34	32	29
% Absorptance	52	56	54
% Reflectance	14	12	17
Visible light			
% Transmittance	38	38	35
% Reflectance exterior	16	16	22
% Reflectance interior	13	13	14
Emissivity	.88	.88	.88
Winter U-Factor (BTU hr/ft ² °F)	1.05	1.11	.48
Shading coefficient	.57	.55	.67
Solar heat gain coefficient	.50	.48	.58
Solar selectivity index – luminous efficacy (VLT/SC)	.65	.68	.52
Light to solar heat gain factor (VLT/SHGC)	.76	.79	.60
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	50	52	42
% Summer solar heat gain reduction	42	41	23
% Glare reduction	58	57	57

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.