

# Armorcoat® 8 Mil Stainless Steel 50

<b>Performance Results</b>	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	40	37	33
% Absorptance	49	53	51
% Reflectance	11	10	16
Visible light			
% Transmittance	44	43	40
% Reflectance exterior	14	13	20
% Reflectance interior	11	11	13
Emissivity	.88	.88	.88
Winter U-Factor (BTU hr/ft <sup>2</sup> °F)	1.06	1.11	.48
Shading coefficient	.62	.60	.71
Solar heat gain coefficient	.54	.51	.61
Solar selectivity index – luminous efficacy (VLT/SC)	.70	.73	.56
Light to solar heat gain factor (VLT/SHGC)	.81	.84	.66
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	46	48	39
% Summer solar heat gain reduction	37	38	19
% Glare reduction	51	52	51

## Physical Properties Nominal

Gauge	8.0 mil (200 micron)
Peel strength	>2,500 g/in (985 g/cm)
Tensile strength	30,000 lbs/in <sup>2</sup> (2,110 kg/cm <sup>2</sup> )
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.