

# Armorcoat® 4 Mil Stainless Steel 20

<b>Performance Results</b>	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	21	19	17
% Absorptance	56	61	49
% Reflectance	23	20	24
Visible light			
% Transmittance	22	22	20
% Reflectance exterior	27	26	31
% Reflectance interior	25	25	25
Emissivity	.85	.85	.85
Winter U-Factor (BTU hr/ft <sup>2</sup> °F)	1.11	1.09	.48
Shading coefficient	.43	.42	.57
Solar heat gain coefficient	.37	.37	.49
Solar selectivity index – luminous efficacy (VLT/SC)	.51	.53	.35
Light to solar heat gain factor (VLT/SHGC)	.59	.61	.41
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	63	63	51
% Summer solar heat gain reduction	57	56	35
% Glare reduction	76	75	75

## Physical Properties Nominal

Gauge	4.0 mil (100 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	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.