

Armorcoat® 10 Mil Silver 20

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	12	11	11
% Absorptance	39	46	46
% Reflectance	49	43	43
Visible light			
% Transmittance	17	17	16
% Reflectance exterior	56	54	57
% Reflectance interior	55	55	56
Emissivity	.70	.70	.70
Winter U-Factor (BTU hr/ft ² °F)	.96	1.02	.46
Shading coefficient	.26	.27	.37
Solar heat gain coefficient	.22	.23	.32
Solar selectivity index – luminous efficacy (VLT/SC)	.66	.64	.43
Light to solar heat gain factor (VLT/SHGC)	.77	.74	.50
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	78	77	68
% Summer solar heat gain reduction	74	72	57
% Glare reduction	82	81	80

Physical Properties Nominal

Gauge	10.0 mil (250 micron)
Peel strength	>2,500 g/in (985 g/cm)
Tensile strength	30,000 lbs/in ² (2,110 kg/cm ²)
Break strength	300 lbs/in (54 kg/cm)
ASTM D4830 puncture test	174 lbs (78 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.