

Armorcoat® 14 Mil Clear

Performance Results	1/8" (3mm)	1/4" (6mm)	1/8" + 1/8" (3mm+3mm)
Solar energy			
% Transmittance	77	71	65
% Absorptance	14	21	21
% Reflectance	9	8	14
Visible light			
% Transmittance	87	85	79
% Reflectance exterior	11	10	17
% Reflectance interior	11	11	17
Emissivity	.89	.89	.89
Winter U-Factor (BTU hr/ft² °F)	1.06	1.11	.48
Shading coefficient	.93	.88	.84
Solar heat gain coefficient	.81	.76	.73
Solar selectivity index – luminous efficacy (VLT/SC)	.93	.96	.94
Light to solar heat gain factor (VLT/SHGC)	1.08	1.12	1.08
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	19	23	27
% Summer solar heat gain reduction	7	7	3
% Glare reduction	3	4	3

Physical Properties Nominal

Gauge	14.0 mil (350 micron)
Peel strength	>2,500 g/in (985 g/cm)
Tensile strength	30,000 lbs/in² (2,110 kg/cm²)
Break strength	420 lbs/in (75 kg/cm)
ASTM D4830 puncture test	230 lbs (104 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.