

BROWER TINTING & GRAPHICS

245 SW 41st St, #11A Renton, WA 98057

425-251-6849 800-252-6849

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A better environment inside and out.™

Safety & Security Window Films

Armorcoat® 7 Mil Clear

Performance results

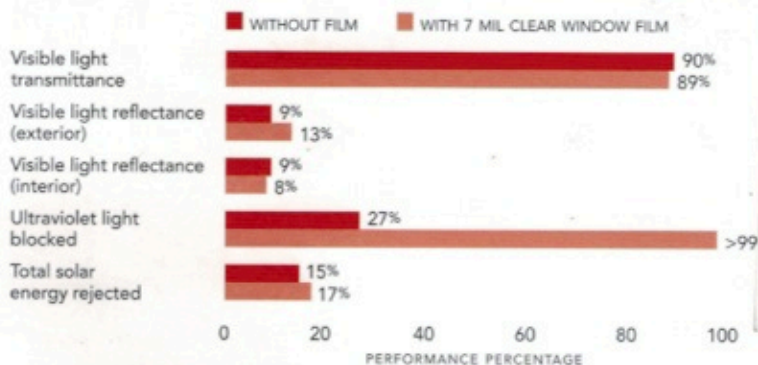
	1/8" (3mm)	1/4" (6mm)	1/8"+1/8" (3mm+3mm)
Solar energy			
% Transmittance	79	73	66
% Absorptance	13	19	21
% Reflectance	8	8	13
Visible light			
% Transmittance	89	87	80
% Reflectance exterior	9	9	16
% Reflectance interior	9	9	16
Emissivity	.90	.90	.90
Winter U-Factor (Btu hr/ft² °F)	1.07	1.09	.49
Shading coefficient	.95	.90	.85
Solar heat gain coefficient	.83	.78	.74
Solar selectivity index – luminous efficacy (VLT/SC)	.93	.97	.94
Light to solar heat gain factor (VLT/SHGC)	1.07	1.12	1.08
% Ultraviolet light blocked @ 300 to 380 nm	>99	>99	>99
% Total solar energy rejected	17	22	26
% Summer solar heat gain reduction	5	5	2
% Glare reduction	1	2	1

Physical properties nominal

Gauge	7.0 mil (175 micron)
Peel strength	>2,500 g/in (985 g/cm)
Tensile strength	30,000 lbs/in ² (2,110 kg/cm ²)
Break strength	210 lbs/in (38 kg/cm)
ASTM D4380 puncture test	118 lbs (52 kg)

Film performance

Performance results were generated from testing 1/8" (3mm) thick clear glass.



All performance results are based on the film installed on the inside surface of 1/8" (3mm), 1/4" (6mm), and 1/8"+1/8" (3mm+3mm) thick, clear glass



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