A better environment inside and out.™

Safety & Security Window Films

Armorcoat® 11 Mil Clear

Performance results

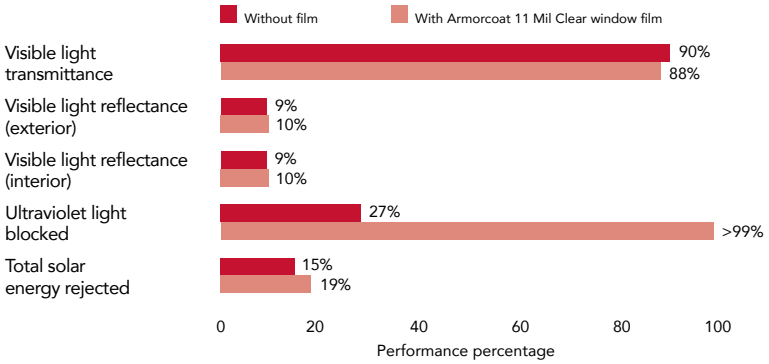
	4mm single	4mm double
Solar energy		
% Transmittance	76	63
% Absorptance	16	24
% Reflectance	8	13
Visible light		
% Transmittance	88	79
% Reflectance exterior	10	16
% Reflectance interior	10	17
Emissivity	.89	.89
Winter U-Factor (W/m²°C)	5.98	2.74
Shading coefficient	.93	.83
Solar heat gain coefficient	.81	.72
Solar selectivity index – luminous efficacy (VLT/SC)	.94	.95
Light to solar heat gain factor (VLT/SHGC)	1.09	1.10
% Ultraviolet light blocked (@ 300 to 380 nm)	>99	>99
% Total solar energy rejected	19	28
% Summer solar heat gain reduction	4	2
% Glare reduction	2	2

Physical properties nominal

Gauge	275 micron
Peel strength	985 g/cm
Tensile strength	2,110 kg/cm²
Break strength	59 kg/cm
ASTM D4830 puncture test	89 kg

Film performance

Performance results were generated from testing 4mm thick clear glass.



All performance results are based on the film installed on the inside surface of 4mm and 4mm+4mm thick, clear glass

Notes

1. Performance results were generated using LBNL Window 5.2, and calculated and reported in accordance with ASTM, ASHRAE and AIMCAL standards. Performance results are calculated using NFRC methodology and LBNL Window 5.2 software, and are subject to variations within industry standards and only intended for estimating purposes.
2. These test data contain only results arrived at after employing specific test procedures and standards. The included data do not constitute a recommendation for, endorsement of, or certification of the product or material tested. These data are provided for informational purposes only and are not to be considered part of the basic representation or warranty, expressed or implied, including the implied warranties of merchantability or fitness for a particular purpose, that its products will conform to these test data. Bekaert's limited warranty should be carefully reviewed prior to purchasing any Bekaert product. Extrapolation of data from the sample or samples relation to the batch or lot from which data were obtained may not correlate and should be interpreted accordingly with caution. Bekaert shall not be responsible for variations in quality, composition, appearance, performance, or other feature of similar subject matter produced by persons or under conditions over which Bekaert has no control.
3. Performance results for summer solar heat gain reduction and glare reduction are calculated by comparing filmed glass to that of untreated glazing.

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