

A better environment inside and out.™

Solar Gard® Solar Control Window Films

Ecolux™ 70

Discover the window film that does it all.

Our environmentally friendly Ecolux window film helps you achieve energy and carbon savings, improving U-factor* performance by up to 41%**.

By combining a low-e coating with solar control properties, we've developed an innovative window-insulating film technology that outperforms solar control films:

Improved comfort

Promotes more comfortable temperatures in every season, day and night

Smart savings

A sustainable upgrade that increases year-round energy savings and reduces carbon usage

Natural day lighting

Allows high visible light transmission with minimal heat, giving you clear views while preventing hot spots

UV protection

Rejects 99% of UV radiation to reduce the risk of skin cancer and fading on furniture and flooring

U-factor improvement

Starts working immediately after installation and improves your windows' insulating properties by up to 41%

* U-factor is the rate at which a window, door, or skylight conducts non-solar heat flow. The lower the U-factor, the more energy-efficient the window, door, or skylight.

** 4mm Single pane clear glass



Solar Gard® Ecolux™

Low-e Window Film

Feel Good Inside.

The premium low-e window film that adapts to the weather for comfort and energy savings all year round.



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Performance results

	4mm single	4mm double
Visible light		
Transmittance %	68	61
Reflectance exterior %	13	19
Reflectance interior %	4	8
Glare reduction %	24	24
Solar energy		
Transmittance %	42	36
Absorptance %	33	40
Reflectance %	25	24
Total solar energy rejected %	53	51
Solar heat gain coefficient	.47	.49
Summer solar heat gain reduction %	44	34
Light to solar gain ratio (VLT/SHGC)	1.44	1.26
Thermal energy		
Emissivity	.09	.09
Winter U-Factor (W/m² °C)	3.45	1.93
Winter heat loss reduction %	41	29
Ultraviolet light		
Blocked @ 300 to 380 nm %	>99	>99

Physical properties nominal

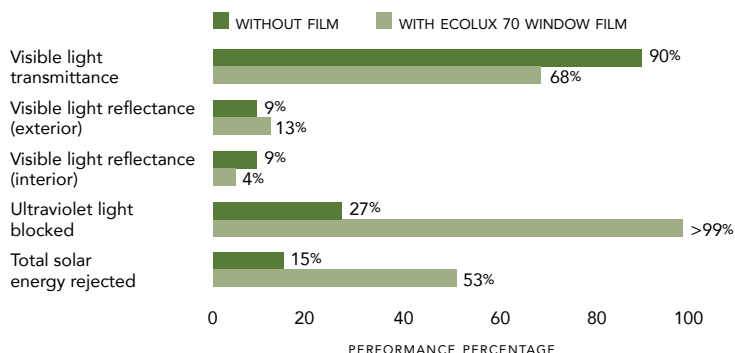
Gauge	75 micron
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Notes

- Solar Gard is a participating member of AIMCAL (the Association of Industrial Metallizers, Coaters and Laminators), IWFA, and EWFA. 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.
- 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. Solar Gard's limited warranty should be carefully reviewed prior to purchasing any Solar Gard 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. Solar Gard 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 Solar Gard has no control.
- Performance results for summer solar heat gain reduction, winter heat loss reduction, and glare reduction are calculated by comparing filmed glass to that of untreated glazing.
- All performance results are based on the film installed on the inside surface of 4mm and 4mm + 12mm air + 4mm.

Film performance

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



Only available through an Ecolux authorized dealer.

www.solargard.co.uk

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