



EXTERIOR SAFETY FILMS

Opalux® exterior clear safety films are available in 100-micron or 175-micron thickness and are specially manufactured with weatherable coatings.

They are sometimes used where both interior and exterior films have been specified for application to both sides of the glazing units for extra strength and protection. This could be for any number of reasons to provide a double protection safety or security application.

A regular use of these exterior films is to help hold glass together where there is a history of spontaneous breakage of glazing units in overhead or vertical situations creating a severe and unpredictable risk to the public. This happens where the glass has been weakened due to hidden imperfections caused by faults such as nickel sulphide poisoning occurring during the manufacturing process.

An application of interior or exterior safety film, often combined with a retention system to hold the glass panels in their frames, has been the cost-effective safety measure to avoid the high cost and disruption of replacement of all the glazing units.

Where appropriate you will be connected to an Opalux® approved dealer who can discuss your requirements, visit your site if necessary, and provide costings for the film installation.



Accurate selection of window films requires specialist knowledge, and it is recommended that specifiers contact the company at the specification stage +44 (0)845 026 1125 or email solutions@opaluxwindowfilms.com



EXTERIOR SAFETY FILMS

External 100-Micron Clear

PERFORMANCE DATA		SA-100CL-eSR
SOLAR ENERGY	Transmitted	74%
	Reflected	10%
	Absorbed	16%
VISIBLE LIGHT	Transmitted	87%
	Reflected (Interior)	10%
	Reflected (Exterior)	10%
UV Rejection		99%
Glare Reduction		1%
Shading Coefficient		0.93
Solar Heat Gain Coefficient (G-Value)		0.81
U-Value (W/m ² K)		5.92
Total Solar Energy Rejected		19%
Product Warranty		4 years vertical only

External 175-Micron Clear

PERFORMANCE DATA		SA-175CL-eSR
SOLAR ENERGY	Transmitted	76%
	Reflected	10%
	Absorbed	14%
VISIBLE LIGHT	Transmitted	87%
	Reflected (Interior)	10%
	Reflected (Exterior)	10%
UV Rejection		99%
Glare Reduction		1%
Shading Coefficient		0.93
Solar Heat Gain Coefficient (G-Value)		0.81
U-Value (W/m ² K)		5.92
Total Solar Energy Rejected		19%
Product Warranty		5 years