



## EXTERNAL REFLECTIVE SOLAR WINDOW FILMS – 1

Opalux® exterior grade window films have been developed and manufactured to state of the art technology and used successfully over many decades. They are of weatherable construction having additional UV barriers to help protect the film from degrading through exposure to sunshine, and also having a strong waterproof adhesive.

Opalux® exterior reflective solar control films are often installed to the exterior face of the window glass to reject the heat of the sun before it penetrates and is absorbed by the glazing unit itself. They are therefore more efficient in their primary object of reducing the solar gain by preventing absorbed heat-of-the-sun being re-radiated to the interior of the building, especially where you have extra thick glass or double or triple glazing.

Another reason for fixing to the exterior face of the glass is to reduce the risk of thermal fracture. This particularly applies to laminated, Georgian-wired and heavily tinted glass, and may also apply to double or triple glazing in certain circumstances. Your Opalux® Dealer should help you assess the risks and balance the probabilities

Exterior fitting is frequently needed to obscure internally boarded up windows, spandrel panels etc where access from the inside is not possible or where patterned glass is rough side facing in.



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](mailto:solutions@opaluxwindowfilms.com)

SOLAR CONTROL

# EXTERNAL REFLECTIVE SOLAR WINDOW FILMS – 1



SOLAR CONTROL

## Silver 20

PERFORMANCE DATA		SO-20RS-eSR
SOLAR ENERGY	Transmitted	13%
	Reflected	52%
	Absorbed	35%
VISIBLE LIGHT	Transmitted	16%
	Reflected (Interior)	58%
	Reflected (Exterior)	58%
UV Rejection		99%
Glare Reduction		82%
Shading Coefficient		0.25
Solar Heat Gain Coefficient (G-Value)		0.22
U-Value (W/m <sup>2</sup> K)		5.92
Total Solar Energy Rejected		78%
Product Warranty*		7 years vertical Up to 4 years sloping

## Silver 35

PERFORMANCE DATA		SO-35RS-eSR
SOLAR ENERGY	Transmitted	21%
	Reflected	42%
	Absorbed	37%
VISIBLE LIGHT	Transmitted	30%
	Reflected (Interior)	42%
	Reflected (Exterior)	42%
UV Rejection		99%
Glare Reduction		66%
Shading Coefficient		0.36
Solar Heat Gain Coefficient (G-Value)		0.31
U-Value (W/m <sup>2</sup> K)		5.92
Total Solar Energy Rejected		69%
Product Warranty*		7 years vertical Up to 4 years sloping

## Silver 20 (4 year)

PERFORMANCE DATA		SO-20RS-eSR-4
SOLAR ENERGY	Transmitted	13%
	Reflected	52%
	Absorbed	35%
VISIBLE LIGHT	Transmitted	16%
	Reflected (Interior)	55%
	Reflected (Exterior)	55%
UV Rejection		99%
Glare Reduction		82%
Shading Coefficient		0.25
Solar Heat Gain Coefficient (G-Value)		0.22
U-Value (W/m <sup>2</sup> K)		5.92
Total Solar Energy Rejected		78%
Product Warranty*		4 years vertical Up to 2 years sloping

## Grey/Silver 10

PERFORMANCE DATA		SO-10RS-eSR
SOLAR ENERGY	Transmitted	7%
	Reflected	62%
	Absorbed	31%
VISIBLE LIGHT	Transmitted	8%
	Reflected (Interior)	16%
	Reflected (Exterior)	56%
UV Rejection		99%
Glare Reduction		91%
Shading Coefficient		0.17
Solar Heat Gain Coefficient (G-Value)		0.15
U-Value (W/m <sup>2</sup> K)		5.92
Total Solar Energy Rejected		85%
Product Warranty*		5 years vertical Up to 3 years sloping

\*Some warranty periods are reduced or negated as the angle of the sloped glazing lowers towards the horizontal-orientation.