



## ENERGY CONTROL FILMS FOR AIR-CONDITIONED BUILDINGS

**Opalux® energy control window films offer great opportunities for energy savings in air conditioned buildings.**

They can hugely improve your carbon footprint, especially where there are large areas of glazing. The film applied to the glass rejects up to 80% of the heat of the sun's rays before they enter the interior of the building.

The air conditioning load is consequently lightened and the film is doing its work from sunrise to sunset. It is a passive medium and does not depend on human intervention to pull down the blinds, or on complex automatic controls.

There is a large variety of different energy control films available, depending on the appearance the client requires. The reflective range of window films is the original and most commonly used energy control film in the UK & worldwide, and is very likely to be the film you need if you want to deal most effectively with both solar heat and glare.

Depending on the particular circumstances of your workplace, the film can be installed to either the inside face of the windows, or to the outside face using an exterior weatherable version.

Accurate selection of film requires specialist knowledge and end-users and specifiers are encouraged to consult Opalux® technical department.

Where appropriate you will be connected to an Opalux® approved dealer who can discuss your requirements, visit 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](mailto:solutions@opaluxwindowfilms.com)

SOLAR CONTROL

# ENERGY CONTROL FILMS FOR AIR-CONDITIONED BUILDINGS



SOLAR CONTROL

## Reflective Silver 20

PERFORMANCE DATA		SO-20RS-ISR
SOLAR ENERGY	Transmitted	13%
	Reflected	52%
	Absorbed	35%
VISIBLE LIGHT	Transmitted	16%
	Reflected (Interior)	56%
	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)		5.51
Total Solar Energy Rejected		78%
Product Warranty		10 years

## External Reflective 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

## Bronze 35

PERFORMANCE DATA		SO-35SB-ISR
SOLAR ENERGY	Transmitted	25%
	Reflected	35%
	Absorbed	40%
VISIBLE LIGHT	Transmitted	40%
	Reflected (Interior)	24%
	Reflected (Exterior)	25%
UV Rejection		99%
Glare Reduction		55%
Shading Coefficient		0.52
Solar Heat Gain Coefficient (G-Value)		0.45
U-Value (W/m <sup>2</sup> K)		5.50
Total Solar Energy Rejected		55%
Product Warranty		10 years

## Neutral Grey 20

PERFORMANCE DATA		SO-20NG-ISR
SOLAR ENERGY	Transmitted	14%
	Reflected	27%
	Absorbed	59%
VISIBLE LIGHT	Transmitted	18%
	Reflected (Interior)	18%
	Reflected (Exterior)	19%
UV Rejection		99%
Glare Reduction		80%
Shading Coefficient		0.34
Solar Heat Gain Coefficient (G-Value)		0.30
U-Value (W/m <sup>2</sup> K)		5.66
Total Solar Energy Rejected		70%
Product Warranty		10 years

## Grey/Silver 10

PERFORMANCE DATA		SO-10RGS-ISR
SOLAR ENERGY	Transmitted	8%
	Reflected	54%
	Absorbed	38%
VISIBLE LIGHT	Transmitted	8%
	Reflected (Interior)	16%
	Reflected (Exterior)	52%
UV Rejection		99%
Glare Reduction		91%
Shading Coefficient		0.23
Solar Heat Gain Coefficient (G-Value)		0.20
U-Value (W/m <sup>2</sup> K)		5.63
Total Solar Energy Rejected		80%
Product Warranty		10 years

## Specialist Heat Control - Clear

PERFORMANCE DATA		SO-70IR-ISR
SOLAR ENERGY	Transmitted	50%
	Reflected	11%
	Absorbed	39%
VISIBLE LIGHT	Transmitted	67%
	Reflected (Interior)	7%
	Reflected (Exterior)	8%
UV Rejection		99%
Glare Reduction		24%
Shading Coefficient		0.66
Solar Heat Gain Coefficient (G-Value)		0.57
U-Value (W/m <sup>2</sup> K)		5.96
Total Solar Energy Rejected		43%
Product Warranty		10 years

This is only a small selection of products. Go to [www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com) to see our full range.

DOWNLOAD THE FULL DATA SHEETS AT [WWW.OPALUXWINDOWFILMS.COM](http://WWW.OPALUXWINDOWFILMS.COM)