



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.



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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 ² 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 ² K)		5.92
Total Solar Energy Rejected		78%
Product Warranty		7 years vertical Up to 4 years sloping

Dual Reflective 15

PERFORMANCE DATA		SO-15DR-ISR
SOLAR ENERGY	Transmitted	19%
	Reflected	36%
	Absorbed	54%
VISIBLE LIGHT	Transmitted	15%
	Reflected (Interior)	24%
	Reflected (Exterior)	36%
UV Rejection		99%
Glare Reduction		83%
Shading Coefficient		0.39
Solar Heat Gain Coefficient (G-Value)		0.34
U-Value (W/m ² K)		5.79
Total Solar Energy Rejected		66%
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 ² K)		5.66
Total Solar Energy Rejected		70%
Product Warranty		10 years

Dual Reflective 05

PERFORMANCE DATA		SO-05DR-ISR
SOLAR ENERGY	Transmitted	9%
	Reflected	53%
	Absorbed	38%
VISIBLE LIGHT	Transmitted	8%
	Reflected (Interior)	16%
	Reflected (Exterior)	56%
UV Rejection		99%
Glare Reduction		92%
Shading Coefficient		0.23
Solar Heat Gain Coefficient (G-Value)		0.20
U-Value (W/m ² K)		5.79
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 ² 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 to see our full range.

DOWNLOAD THE FULL DATA SHEETS AT WWW.OPALUXWINDOWFILMS.COM