

SOLAR CONTROL FILM

Low E – Neutral 50

SO-50LEN-iSR



Opalux® Low E Neutral 50 solar control film helps reduce winter heat loss through glazing whilst still offering some heat rejection to help combat solar heat gains problems.

Opalux® Low E neutral solar control film can also provide additional benefits such as reduced fading of interior furnishings, uniform outside appearance, winter heating savings, and as with most Opalux® films up to 99% ultraviolet light (UV) filtering. These films help to reduce cooling costs and therefore Climate Change Levy liability by lightening the load on air conditioning equipment. Government and business organisations can use Opalux® solar control window films as an integral part of seeking to comply with the CRC Energy Efficiency Scheme and The Carbon Trust policies. They also help to alleviate the discomfort caused by excessive heat, assisting in compliance with the Workplace (Health, Safety & Welfare) Regulations.

FEATURES

- Low emissivity film
- Cuts energy use for cooling
- Solar heat rejection
- Quick, retro-fit installation
- Screening of harmful UV rays

BENEFITS

- Helps reduce winter heat loss through glazing
- Reducing energy tax liability and contributes to a reduced carbon footprint
- Alleviate the discomfort caused by excessive heat
- Can be used where costly and disruptive large-scale replacement of existing glazing is not a viable option
- Reduced fading of interior furnishings

PERFORMANCE DATA		SO-50LEN-iSR
SOLAR ENERGY	Transmitted	37%
	Reflected	30%
	Absorbed	33%
VISIBLE LIGHT	Transmitted	48%
	Reflected (Interior)	25%
	Reflected (Exterior)	28%
Winter Heat Loss Reduction		<23%
UV Rejection		99%
Glare Reduction		45%
Shading Coefficient		0.49
Solar Heat Gain Coefficient (G-Value)		0.43
U-Value (W/m²K)		4.08
Total Solar Energy Rejected		57%
Product Warranty		5* years

*Requires correct silicone edge sealing. See warranty document for t's & c's.

FILM TO GLASS U-VALUE		(W/M²K)
Glass Structure	Without	With
4mm Clear Single Pane	5.8	4.4
4mm Clear/12mm Gap/4mm Clear	2.9	2.5
4mm Clear/12mm Argon Filled/4mm LowE	1.5	1.3

NOTES

Test results are produced from film applied to 3mm clear single glazing. Performance data is subject to change without prior notice. Accurate selection of window film requires specialist knowledge, and it is recommended that specifiers contact the company at the specification stage. It is the users' responsibility to ensure the product is suitable for the intended use. The seller shall not be liable for any direct, indirect or consequential loss or damage howsoever arising.

SPECIFICATION

The solar control window film is to be Opalux® SO-50LEN-iSR, as manufactured by Opalux® (www.opaluxwindowfilms.com). The film is to be installed to the interior surface of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer's warranty procedure. This internal film must be correctly silicone edge sealed with Dowsil 791.