



# SOLAR CONTROL FILM

## Low E – Reflective Silver 20

### SO-20LERS-iSR

**Opalux® Low E reflective silver solar control film helps reduce winter heat loss through glazing and offers maximum heat rejection to combat severe solar heat gains and glare problems.**

Opalux® Low E reflective silver solar control film can also provide additional benefits such as daytime one-way privacy, 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 and by glaring reflections off computer screens, assisting in compliance with the Workplace (Health, Safety & Welfare) Regulations.

### FEATURES

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

### BENEFITS

- Helps reduce winter heat loss through glazing
- Can help reduce energy tax liability and contribute to a reduced carbon footprint
- Alleviate the discomfort caused by excessive heat and glare
- 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-20LERS-iSR
SOLAR ENERGY	Transmitted	10%
	Reflected	50%
	Absorbed	40%
VISIBLE LIGHT	Transmitted	16%
	Reflected (Interior)	62%
	Reflected (Exterior)	55%
Winter Heat Loss Reduction		<24%
UV Rejection		99%
Glare Reduction		82%
Shading Coefficient		0.25
Solar Heat Gain Coefficient (G-Value)		0.22
Emissivity		0.38
U-Value (W/m²K)		4.49
Total Solar Energy Rejected		78%
Product Warranty		5 years

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	2.3
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-20LERS-iSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://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.

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