



# SOLAR CONTROL FILM

## Specialist Heat Control Clear External SO-70IR-eSR

**Opalux® External Specialist Heat Control Clear Film is a state-of-the-art spectrally selective window film. It provides good solar heat rejection without noticeably reducing daylight levels or changing the appearance of the windows.**

It is used in situations where solar heat control is needed, but glare control is not a requirement, or is provided by other means such as curtains, blinds or awnings. This film is particularly useful for retail shop windows, motor showrooms and commercial or residential applications where retaining a virtually clear appearance is important but solar heat gain is a problem. It can also be energy-saving by reducing the load on cooling systems, It blocks up to 99% of ultra-violet (UV) transmission through the windows, helping protect curtains, carpets, wood floors and furniture from excessive fading and deterioration.

### FEATURES

- Very high light transmission
- Quick, retro-fit installation
- Exterior grade with a scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Virtually clear while still offering good heat rejection
- Reduced fading of interior furnishings
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- Suitable for most non-abrasive window-cleaning methods

PERFORMANCE DATA		SO-70IR-eSR
SOLAR ENERGY	Transmitted	39%
	Reflected	9%
	Absorbed	52%
VISIBLE LIGHT	Transmitted	75%
	Reflected (Interior)	9%
	Reflected (Exterior)	9%
UV Rejection		99%
Glare Reduction		15%
Shading Coefficient		0.61
Solar Heat Gain Coefficient (G-Value)		0.53
U-Value (W/m²K)		5.92
Total Solar Energy Rejected		47%
Product Warranty*		5 years vertical Up to 2 years sloping

### NOTES

Test results are produced from film applied to 3mm clear single glass. 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. Please refer to the Opalux® product warranty form for the full terms and conditions of the Opalux® limited warranty. 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-70IR-eSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The film is to be installed to the exterior surface of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer's warranty procedure. Exterior film must be correctly silicone edge sealed.

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