



# SOLAR CONTROL FILM

## Lower Mirror – Neutral Grey 50

### SO-50NG-iSR

**Opalux® Lower Mirror Neutral Grey 50 solar control film offers a balanced year-round performance of good solar heat rejection with higher light transmission and a more neutral external appearance.**

Opalux® Lower Mirror Neutral Grey 50 coloured film is specially metallised to allow plenty of light along with good solar control properties. Avoiding the mirrored look of traditional solar control films, this presents a pleasing architectural appearance. This film helps 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. Opalux® Lower Mirror Neutral Grey 50 solar control film is used where a neutral appearance is required, and is ideally suited to architecturally sensitive applications such as listed buildings. This film achieves good solar heat control and can still allow some vision both ways, and make less visual impact than traditional mirrored films. The film is applied internally and, in daytime, lends the glass a neutral grey lower mirror outside appearance, whilst from the inside, the visual effect, much less noticeable, is a light tint.

### FEATURES

- Good solar heat rejection
- Cuts energy use for cooling
- Lower mirror appearance
- Quick, retro-fit installation
- Scratch-resistant
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by solar heat gain
- Reducing energy tax liability and contributes to a reduced carbon footprint
- Lower visual impact, especially suited to architecturally sensitive buildings
- Can be used where costly and disruptive large-scale replacement of existing glazing is not a viable option
- Suitable for most non-abrasive window-cleaning
- Reduced fading of interior furnishings

PERFORMANCE DATA		SO-50NG-iSR
SOLAR ENERGY	Transmitted	39%
	Reflected	21%
	Absorbed	40%
VISIBLE LIGHT	Transmitted	48%
	Reflected (Interior)	12%
	Reflected (Exterior)	13%
UV Rejection		99%
Glare Reduction		45%
Shading Coefficient		0.57
Solar Heat Gain Coefficient (G-Value)		0.50
U-Value (W/m²K)		5.90
Total Solar Energy Rejected		50%
Product Warranty		10 years

### 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 films 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-50NG-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.

SOLAR CONTROL