



# SOLAR CONTROL FILM

## External Grey/Silver Privacy Mirror

### SO-10RGS-eSR

The Opalux Reflective External Grey/Silver 10 'Privacy Mirror' is a dual reflective film that offers superior rejection of severe solar heat gains and glare problems, while maintaining a greater one-way privacy effect than conventional reflective films.

This externally installed solar film offers superior heat and glare rejection. The demand for a one-way mirror effect for privacy reasons and security measures increases daily with the proliferation of glass in buildings. To achieve a one-way mirror there must be a greater light level on the 'public' side of the glass than on the 'private' side, consequently, no one-way mirror effect is possible regardless of the balance of light either side of the glazing. By using Opalux® reflective grey/silver privacy mirror you can reduce the normal required difference in balance of light levels to achieve a one-way mirror effect. This product is to be applied externally and, in daytime, lends the glass a silver reflective external appearance, whilst from the inside, the visual effect, much less noticeable, is a light tint.

### FEATURES

- Superior one-way privacy effect
- Excellent solar heat and glare rejection
- Quick, retro-fit installation
- Exterior grade with a scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Avoid the 'fishbowl' effect of glazing and increase security by hindering vision into a property
- Alleviate the discomfort caused by excessive heat and glare
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- 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 methods
- Reduce the premature fading of interior furnishings

PERFORMANCE DATA		SO-10RGS-eSR
SOLAR ENERGY	Transmitted	7%
	Reflected	62%
	Absorbed	31%
VISIBLE LIGHT	Transmitted	8%
	Reflected (Interior)	16%
	Reflected (Exterior)	56%
UV Rejection		99%
Glare Reduction		91%
Shading Coefficient		0.17
Solar Heat Gain Coefficient (G-Value)		0.15
U-Value (W/m²K)		5.92
Total Solar Energy Rejected		85%
Product Warranty*		5 years vertical Up to 3 years sloping

### 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. 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-10RGS-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 grade films 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.**

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## External Reflective – Silver 20

### SO-20RS-eSR



**External Opalux® Silver 20 reflective solar control film offers maximum heat rejection blocking and reflecting the solar energy before it penetrates the building.**

The External Opalux® silver reflective 20 solar control product 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. (For specialist UV filtering in museums etc, see Specialist UV Control Film). External films are of weather resistant construction having additional UV barriers to help protect the film from degrading through exposure to sunshine, and also having a strong water resistant adhesive. The External Silver 20 is particularly used when inside access is not always possible or depending on the type of glass, in particular laminated, Georgian-wired, heavy tinted glass or some double or triple glazed. This film is applied externally and, in daytime, lends the glass a silver reflective outside appearance, whilst from the inside, the visual effect, much less noticeable, is a light tint.

### FEATURES

- Excellent solar heat and glare rejection
- Cuts energy use for cooling
- Reflective daytime appearance
- Quick, retro-fit installation
- Exterior grade with a scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- Increased daytime privacy from outside looking in
- 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 methods
- Reduced fading of interior furnishings

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/m²K)		5.92
Total Solar Energy Rejected		78%
Product Warranty*		7 years vertical Up to 4 years sloping

### 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. 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 film is to be Opalux® SO-20RS-eSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The solar film is to be installed to the exterior side of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer's warranty procedure. Exterior grade films must be correctly silicone edge sealed.

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# SOLAR CONTROL FILM

## External Reflective – Silver 35

### SO-35RS-eSR

**External Opalux® Silver 35 medium reflective solar control film offers good heat rejection for externally applied films, and is of particular use in combating solar heat gains and glare problems.**

External Opalux® Reflective Silver 35 solar control film can also provide additional benefits such as uniform outside appearance, winter heating savings, and as with most Opalux® films up to 99% ultraviolet light (UV) filtering. (For specialist UV filtering in museums etc, see Specialist UV Control Film). 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. It also helps to alleviate the discomfort caused by excessive heat and by glaring reflections off computer screens, assisting in compliance with the Workplace (Health, Safety and Welfare) Regulations. The film is applied internally and, in daytime, lends the glass a silver reflective outside appearance, whilst from the inside, the visual effect, much less noticeable, is a light tint.

### FEATURES

- Good solar heat and glare rejection
- Cuts energy use for cooling
- Reflective daytime appearance
- Quick, retro-fit installation
- Exterior grade with a scratch-resistant coating
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by severe heat and glare
- Reducing energy tax liability and contributes to a reduced carbon footprint
- Provides the option for solar control still to be provided where an internal installation is deemed not possible or not advisable
- 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 methods

PERFORMANCE DATA		SO-35RS-eSR
SOLAR ENERGY	Transmitted	21%
	Reflected	42%
	Absorbed	37%
VISIBLE LIGHT	Transmitted	30%
	Reflected (Interior)	42%
	Reflected (Exterior)	42%
UV Rejection		99%
Glare Reduction		66%
Shading Coefficient		0.36
Solar Heat Gain Coefficient (G-Value)		0.31
U-Value (W/m²K)		5.92
Total Solar Energy Rejected		69%
Product Warranty*		7 years vertical Up to 4 years sloping

### NOTES

Test results are produced from film applied to clear 3mm single glazing. 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. 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-35RS-eSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The film is to be installed to the exterior side of the glass, and the unique product roll numbers used are to be registered in accordance with the manufacturer's warranty procedure. Exterior grade films 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.**