

## Solar Control Film

Reflective – Silver Blockout

**Code:** SO-01AS-iSR

### Performance Data

#### Total Solar Energy

Transmitted	0%
Reflected	92%
Absorbed	8%

#### Visible Light

Transmitted	<1%
Reflected	92%
Ultra-Violet Rejected	99%
Glare Reduction	99%
Shading Coefficient	0.04
Total Solar Energy Rejected	98%

#### Specification:

The solar control window film is to be Opalux® SO-01AS-iSR, as manufactured by Opalux® ([www.opalux.co.uk](http://www.opalux.co.uk)). 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.

#### Notes:

Test results are produced from film applied to clear 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. It is the users' responsibility to ensure the product is suitable for the intended use. The seller shall not be liable for any direct or consequential loss howsoever arising.



# SOLAR CONTROL FILM

## Reflective – Grey/Silver 10

### SO-10RGS-iSR

**Opalux® reflective Grey/Silver 10 "Privacy Mirror" film offers superior one-way privacy effects than conventional reflective solar control films, and is of particular use in combating severe solar heat gains and glare problems.**

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. 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

- Superior one-way privacy effect
- Excellent solar heat and glare rejection
- Quick, retro-fit installation
- Scratch-resistant
- 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
- 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-iSR
SOLAR ENERGY	Transmitted	8%
	Reflected	54%
	Absorbed	38%
VISIBLE LIGHT	Transmitted	8%
	Reflected (Interior)	16%
	Reflected (Exterior)	52%
UV Rejection		99%
Glare Reduction		91%
Shading Coefficient		0.23
Solar Heat Gain Coefficient (G-Value)		0.20
U-Value (W/m²K)		5.63%
Total Solar Energy Rejected		80%
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-10RGS-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.

**We always recommend a trial installation is carried out to determine satisfactory performance of the one-way effect in all lighting conditions, and especially where the balance of lighting levels is uncertain, e.g. internal glazed partitions.**

**An exterior grade version is available.  
Refer to code: SO-10RGS-eSR**



# SOLAR CONTROL FILM

## Reflective – Grey/Silver 15

### SO-15RGS-iSR

Opalux® reflective Grey/Silver 15 "Privacy Mirror" film offers superior one-way privacy effects than conventional reflective solar control films, and is of particular use in combating severe solar heat gains and glare problems.

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.

### FEATURES

- Superior one-way privacy effect
- Excellent solar heat and glare rejection
- Quick, retro-fit installation
- Scratch-resistant
- 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
- 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-15RGS-iSR
SOLAR ENERGY	Transmitted	11%
	Reflected	51%
	Absorbed	38%
VISIBLE LIGHT	Transmitted	15%
	Reflected (Interior)	24%
	Reflected (Exterior)	54%
UV Rejection		99%
Glare Reduction		83%
Shading Coefficient		0.24
Solar Heat Gain Coefficient (G-Value)		0.21
U-Value (W/m²K)		5.69
Total Solar Energy Rejected		79%
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-15RGS-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.

We always recommend a trial installation is carried out to determine satisfactory performance of the one-way effect in all lighting conditions, and especially where the balance of lighting levels is uncertain, e.g. internal glazed partitions.





# SOLAR CONTROL FILM

## Reflective – Silver 20

### SO-20RS-iSR

**Opalux® Reflective Silver 20 solar control film offers maximum heat rejection for internally applied films, and is of particular use in combating severe solar heat gains and glare problems.**

Opalux® Reflective Silver 20 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. (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

- Excellent solar heat and glare rejection
- Cuts energy use for cooling
- Reflective daytime appearance
- Quick, retro-fit installation
- Scratch-resistant
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- Reducing energy tax liability and contributes to a reduced carbon footprint
- 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-iSR
SOLAR ENERGY	Transmitted	13%
	Reflected	52%
	Absorbed	35%
VISIBLE LIGHT	Transmitted	16%
	Reflected (Interior)	56%
	Reflected (Exterior)	55%
UV Rejection		99%
Glare Reduction		82%
Shading Coefficient		0.25
Solar Heat Gain Coefficient (G-Value)		0.22
U-Value (W/m²K)		5.51
Total Solar Energy Rejected		78%
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-20RS-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.

**We always recommend a trial installation is carried out to determine satisfactory performance of the one-way effect in all lighting conditions, and especially where the balance of lighting levels is uncertain, e.g. internal glazed partitions.**

**An exterior grade version is available.  
Refer to code: SO-20RS-eSR.**



# SOLAR CONTROL FILM

## Reflective – Silver 35

### SO-35RS-iSR

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

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
- Scratch-resistant
- 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
- 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-35RS-iSR

SOLAR ENERGY	Transmitted	21%
	Reflected	42%
	Absorbed	37%
VISIBLE LIGHT	Transmitted	30%
	Reflected (Interior)	41%
	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)		5.57
Total Solar Energy Rejected		69%
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-35RS-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.

An exterior grade version is available.  
Refer to code: SO-35RS-eSR





# SOLAR CONTROL FILM

## Reflective – Silver 50

### SO-50RS-iSR

**Opalux® Reflective Silver 50 solar control film offers good heat rejection for internally applied films, whilst still offering plenty of light through.**

Opalux® Reflective Silver 50 solar control film can also provide additional benefits such as uniform outside appearance 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 can 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. It also helps to alleviate the discomfort caused by excessive heat. The film is applied internally and, in daytime, lends the glass a light silver reflective 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
- 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
- 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-50RS-iSR
SOLAR ENERGY	Transmitted	33%
	Reflected	30%
	Absorbed	37%
VISIBLE LIGHT	Transmitted	47%
	Reflected (Interior)	25%
	Reflected (Exterior)	26%
UV Rejection		99%
Glare Reduction		47%
Shading Coefficient		0.53
Solar Heat Gain Coefficient (G-Value)		0.46
U-Value (W/m²K)		5.78
Total Solar Energy Rejected		54%
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-50RS-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.