



# SOLAR CONTROL FILM

## 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.

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