

# SOLAR CONTROL FILM

## External Reflective Silver 20 for Polycarbonate

### SO-20RS-eBFSR



External Opalux® Reflective Silver 20 for polycarbonates solar control film offers maximum heat rejection, and is of particular use in combating severe solar heat gains and glare problems, but with a polycarbonate-friendly adhesive.

The Opalux® External Reflective Silver 20 for polycarbonates is a metallised polyester based solar control film designed for exterior-use only on most rigid polycarbonate glazing substrates. This film is of particular use where there is a need to control heat and glare issues. It provides 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.

The film is designed for external application and, in daytime, lends the polycarbonate 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
- Application to most rigid polycarbonate glazing substrates
- Scratch-resistant
- Screening of harmful UV rays

### BENEFITS

- Alleviate the discomfort caused by excessive heat and glare
- 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-eBFSR
SOLAR ENERGY	Transmitted	15%
	Reflected	50%
	Absorbed	35%
VISIBLE LIGHT	Transmitted	17%
	Reflected (Interior)	60%
	Reflected (Exterior)	61%
UV Rejection		99%
Glare Reduction		81%
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		3 years*

### NOTES

Test results are produced from film applied to 3mm clear single 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. 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.

Opalux® SO-20RS-eBFSR is accomplishing it's solar heat gain rejection through reflecting and absorbing part of the solar spectrum, preventing it's direct entry into your home. As a consequence, under high summer temperature, Opalux® SO-20RS-eBFSR will heat up. It is therefore advised to check: the stability of the panels to thermal stress. Co-extruded panels are more stable to heat. The roof plates should resist to temperature above 100°C Ventilation is also a very important consideration in controlling high summer temperatures. A space should be allowed between the panels and the frame to permit the physical expansion.

### SPECIFICATION

The solar control window film is to be Opalux® SO-20RS-eBFSR, as manufactured by Opalux® ([www.opaluxwindowfilms.com](http://www.opaluxwindowfilms.com)). The film is to be installed to the exterior surface of the polycarbonate, 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.

\*When correctly installed to vertical polycarbonate and when correctly silicone edge-sealed. Exterior application - terms and conditions apply