

SOLAR CONTROL FILM

SunCool™ for Polycarbonate

SO-10SC-iBF



Opalux® SunCool™ considerably limits solar gain and alleviates interior heat build up combined with offering significant glare reduction and filtering of damaging UV-rays which is the biggest factor in the premature fading of furniture and furnishings.

Opalux® SunCool™ is a metallised PVC based solar control film designed for use on many polycarbonate, substrates, such as conservatory roofs. This film is of particular use where there is a need to control heat and glare issues. Its satin finish minimises the visual impact and internal reflection. Opalux® films filter the damaging UV-rays to prolong the life of the internal furnishings. The film is designed to be applied internally and in the daytime will lend itself to a translucent tinted grey effect.

FEATURES

- Solar heat and glare rejection
- Application to most polycarbonates
- Alternative to roof blinds
- Cuts energy use for cooling
- Scratch-resistant
- Screening of harmful UV rays

BENEFITS

- Alleviate discomfort caused by excessive heat and glare
- Designed for installation to many polycarbonates
- More cost effective compared to most roof blind systems
- Cost savings through reduced energy consumption and contributes to a reduced carbon footprint
- Suitable for most non-abrasive window cleaning methods
- Reduced fading of interior furnishings

PERFORMANCE DATA		SO-10SC-iBF
SOLAR ENERGY	Transmitted	14%
	Reflected	42%
	Absorbed	44%
VISIBLE LIGHT	Transmitted	10%
	Reflected (Interior)	25%
	Reflected (Exterior)	25%
UV Rejection		99%
Glare Reduction		89%
Shading Coefficient		0.25
Solar Heat Gain Coefficient (G-Value)		0.22
U-Value (W/m²K)		N/A
Total Solar Energy Rejected		78%
Product Warranty		5 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® SunCool™ is accomplishing it's solar heat gain rejection through absorbing a large solar spectrum, preventing it's direct entry into your home. As a consequence, under high summer temperature, Opalux® SunCool™ 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-10SC-iBF, as manufactured by Opalux® (www.opaluxwindowfilms.com). The film is to be installed to the interior surface of the polycarbonate, and the unique product roll numbers used are to be registered in accordance with the manufacturer's warranty procedure.