

ORAGUARD® HELIOSHIELD 80 INTERIOR

Spectrally Selective Solar Protection Film

Short description

ORAGUARD® HelioShield enables glass surfaces to be retrofitted efficiently with state-of-the-art solar control technology. These innovative premium films combine high light transmission with excellent infrared reflection, significantly reducing the build-up of heat inside buildings during the summer. The result: a more comfortable indoor climate in uncooled rooms and a significant reduction in cooling costs in air-conditioned buildings – without significantly altering the original appearance of the glass. ORAGUARD® HelioShield 80 Int. is intended for indoor use.

Front material

PET film, 0.075 mm

Liner

PET film, single-side silicone coated

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.007 mm

Technical properties

RESISTANCE

Durability	Outdoor use, provided it is installed, maintained and used correctly	
	10 Year(s)	Outdoor use, provided it is installed, maintained and used correctly
Shelf Life	2 Year(s)	in its original packaging, at 20 °C and 50% relative humidity

ADHESIVE PROPERTIES

PROCESSING

Suitable substrate	Glass
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Application temperature	Minimum temperature 10 °C Maximum temperature 30 °C
Proposed application technology	Wet application

SUN PROTECTION PROPERTIES

Reflecting (visible light, outdoors)	10 %
Reflecting (visible light, indoors)	10 %
Solar energy absorption	21.8 %
Solar energy reflection	25.1 %
Solar energy transmission	53.1 %
Total solar energy rejection	62 %
Transmission (visible light)	78.4 %
UV rejection	99 %

PRODUCT NOTE

The surface to be covered must be free of dust, grease or other contaminants that could impair the adhesive strength of the material. Freshly painted surfaces must have been left to dry or fully cured for at least three weeks.

IMPORTANT NOTES

All ORAGUARD® products are subject to rigorous quality control throughout the entire manufacturing process. We guarantee that the products are delivered in standard commercial quality and free from manufacturing defects. The traceability of our goods in accordance with ISO 9001 is ensured by the roll number. The information published regarding ORAGUARD® products is based on research findings which the company considers reliable, but does not constitute a guarantee. Due to the wide range of possible applications for ORAGUARD® products and the ongoing development of new applications, it is the buyer's responsibility to thoroughly verify the suitability and performance of the product for the intended purpose. Furthermore, the processing instructions issued by ORAFOL must be observed. The purchaser bears all risks arising from the use of these products. All information is subject to change.