

ORAGUARD® HELIOSHIELD 80 EXTERIOR

Spectrally Selective Solar Protection Film

Short description

ORAGUARD® HelioShield enables the efficient retrofitting of glass surfaces with state-of-the-art solar control technology. These innovative premium films combine high light transmission with excellent infrared reflection and significantly reduce heat build-up 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 Ext. is intended for outdoor 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	When exposed to vertical outdoor weathering, standard Central European climate	8 Year(s)	Outdoor use, subject to correct installation, maintenance and use
Shelf Life		2 Year(s)	in 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	19 %
Solar energy reflection	28 %
Solar energy transmission	53 %
Total solar energy rejection	63 %
Transmission (visible light)	79 %
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. New paintwork must have been left to dry or fully cure 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.