

Description

PET Window Safety Film with a single or multi-layer structure* to protect against impact and glass breakage. The highly transparent Safety Window Films are available in different film thicknesses. The film is suitable for indoor installation in buildings, on glass facades and vehicles (2D surfaces).

Technical Data

Thickness ⁽¹⁾ (without liner and adhesive)	0.100 mm, 0.200 mm, 0.375 mm
Adhesive	Polyacrylate
Release Liner	Silicone-coated polyester
Shelf life ⁽²⁾	2 years
Application temperature	> +10 °C
Proposed application technique	Wet application process
Maximum service life ⁽³⁾ by specialist application and with proper maintenance and care.	10 years

⁽¹⁾ average ⁽²⁾ in original packaging, at 20 °C and 50% relative humidity ⁽³⁾ Applies for interior application. For more information, please visit: www.orafol.com/gp/europe/en/support

Technical Properties

	ORACAL® Safety 100	ORACAL® Safety 200	ORACAL® Safety 375
Adhesive power (N/10mm)	4.5	2.8	1.1
Tensile strength (N/10mm)	151	297	459
Elongation at break	160%	191%	183%
Transmission (Visible Light)	88.9%	88.0%	86.9%
Reflexion (Visible Light)	8.0%	9.5%	9.5%
Solar Energy Transmitted	84.0%	80.7%	80.0%
Solar Energy Reflected	7.0%	8.5%	8.5%
Solar Energy Absorbed	9%	10.8%	12.3%
IR Rejection	10%	10%	11%
UV Rejection	99%	99%	99%
TSER**	16.8%	16.4%	17.6%
Glare Reduction	1%	2%	3%

* ORACAL Safety 100 has a monolayer construction and ORACAL Safety 200 & 375 has a doublelayer construction.

** Total Solar Energy Rejection

Note

The above information is based on our present knowledge and practical experience. The information is given without any guarantee or agreement with regards to the quality or properties of the material. It does not constitute a warranty of any certain quality, properties and/or service life concerning the ORAFOL® films.

For application of ORAFOL® films (wrapping and removal) as well as for maintenance and use, please refer to our documents Processing Guidelines and Maintenance and Usage Terms. If our guidelines are not followed, please be advised that in particular the maximum service life information, stated as based on our experience, does not apply. If the Processing Guidelines and Maintenance and Usage Terms are not complied with, any warranty and liability is excluded.

Please contact a professional workshop, your vendor or ORAFOL's customer support (graphic.innovations@orafol.de) if you have further questions.

The batch traceability according to ISO 9001 is possible on the basis of the roll number.

IMPORTANT NOTICE

All ORACAL® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORACAL® products is based upon research which the company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORACAL® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

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