

Product Description

It is a double-layered (Only 100 micron version is one-layered) and safety window film with ideal thickness, transparent and colorful options, preventing glass from being scattered. ORACAL® Safety Series are produced with advanced technology. They are suitable for use in buildings, glass facades and motor vehicles. Different thickness options are available. These films provide ease of application when right methods and equipment are used. ORACAL® Safety Clear 100 micron and 200 micron are now certified with BS EN 12600.

Release Paper

Silicone-coated transparent polyester on one side (silicone: 0,25g/m²)

Adhesive

Acrylic copolymer, repositionable, transparent

Technical Data

ORACAL® SAFETY Window Film	ORACAL® SAFETY Clear 100 Micron	ORACAL® SAFETY Clear 200 Micron	ORACAL® SAFETY Clear 375 Micron	ORACAL® SAFETY'20 125 Micron	ORACAL® SAFETY'35 125 Micron	ORACAL® SAFETY'50 125 Micron
180° Peeling Strength (N/10mm)	4.5	2.8	1.1	3.6	3.6	3.6
Tensile Strength (N/10mm)	151	297	459	171	171	171
Elongation at Break	160%	191%	183%	109%	109%	109%
Solar Energy Transmitted	84%	80.7%	80%	49.4%	55.9%	63.6%
Solar Energy Reflected	7%	8.5%	8.5%	7.4%	6.4%	8%
Solar Energy Absorbed	9%	10.8%	12.3%	43.2%	37.7%	28.4
Visible Light Transmitted	88.9%	88%	86.9%	22.3%	35.2%	52.3%
Visible Light Reflected	8%	9.5%	9.5%	6.4%	5.4%	7.6%
IR Rejection	10%	10%	11%	11%	11%	11%
UV Rejection	99%	99%	99%	99%	99%	99%
TSER*	16.8%	16.4%	17.6%	39.2%	34.2%	28.9%
Glare Reduction	1%	2%	3%	75%	61%	42%
Expected Service Life	10 Years					

*Total Solar Energy Rejected

Note

Published information concerning ORACAL® products is based upon our knowledge and practical experience. Shared information does not give any guarantee of the quality or characteristics of the material. This document does not constitute a guarantee of any particular quality, feature and/or service life of ORAFOL products.

You can contact ORAFOL for assistance with application, disassembly, maintenance and use of ORAFOL films. If the manufacturer's instructions are not complied with, the expected service life of the products will be shortened according to our experience. ORAFOL makes no warranty and accepts no liability in applications that are outside the instructions for use and maintenance.

IMPORTANT NOTICE

Due to the variety of applications of ORACAL® products and the continual renewal and development of applications, the buyer must carefully examine the suitability and performance of the product according to the intended use. The buyer undertakes all risks which may result from the use. All specifications are subject to change without notice.