

Description

Premium cast PVC film for plotter applications with optimal cutting and application characteristics. Especially developed for lettering, marking and decoration. Particularly suitable for high-quality vehicle and public transport system advertising. Also for application on uneven and curved surfaces as well as over rivets and in corrugations. High gloss finished surface, additionally in matt white and matt black. The high gloss finished surface is suitable for thermal transfer printing (with resin ribbons).

Release paper

Special silicone coated paper on one side, 137 g/m², which provides excellent waste stripping properties. For white vinyl a light blue silicone coated paper is used to form a stronger contrast to lettering.

Adhesive

Solvent polyacrylate, permanent

Certificates

General Type Approval (ABG) acc. to § 22a StVZO (~~~D5438)

Technical Data

Thickness* (without protective paper and adhesive)	50 micron	
Dimensional stability (FINAT TM 14)	adhered to steel shrinkage 0.1 mm max.	
Temperature resistance**	adhered to aluminium, -50°C to +110°C, no variation	
Sea water resistance (DIN 50021)	adhered to aluminium, after 100 h/23°C, no variation	
Resistance to solvents and chemicals	at room temperature, 72h after adhesion to aluminium, short-term resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis	
Fire behaviour (DIN 75200)	Only flame resistant (class DIN 4102-B1) on steel surface	
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	18 N/25 mm	
Tensile strength (DIN EN ISO 527)	along: min. 21 MPa (metallic: 19 MPa)	across: min. 21 MPa (metallic: 19 MPa)
Elongation at break (DIN EN ISO 527)	along: min. 150% (metallic: 120%)	across: min. 150% (metallic: 120%)
Shelf life***	2 years	
Application temperature	> +8°C	
Maximum service life by specialist application and proper care and usage	black / white:	10 years
	transparent / coloured:	8 years
	metallic:	6 years
applies for vertical outdoor exposure and normal climate of Central Europe. Please follow the additional notes at the end of this data sheet. Further information is available here:	copper, gold metallic, bronze,	
	pale gold, pyrite, redgold L,	
www.orafol.com/gp/europe/en/support	foliage green metallic, steppe green metallic:	3 years

* average ** short-term exposure *** in original packaging, at 20°C and 50% relative humidity

Important to note

The above information is based upon 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® color films.

For application of the ORAFOL color films (wrapping and removal) as well as for maintenance and use, we refer to our documents 'Processing Guidelines' and 'Maintenance and Usage Terms' (both documents are available for pdf download: www.orafol.com/gp/europe/en/support). 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. Further information about the expected maximum service life is found in the Processing Guidelines (see no. 2 there). If the Processing Guidelines and Maintenance and Usage Terms are not complied with, any warranty and liability is excluded.



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951

Premium Cast

Technical Data Sheet

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Page 1 of 2

Please contact a professional workshop or ORAFOL's customer support if you have further questions.
The batch traceability according to ISO 9001 is done on the base of the roll number.



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