

Description

Premium cast PVC film for plotter applications with optimal cutting and application characteristics. Specially developed for lettering, marking and decoration. Particularly suitable for high quality advertising on vehicle and public transport systems. Suitable for application onto uneven and curved surfaces, as well as over rivets and corrugations. Surface has a high glossy finish. Available in numerous colours and in matt white or black. The high glossy 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 weed-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). Fire protection on railway vehicles (DIN EN 45545-2): Conforms to the requirements for hazard level HL1 / HL2 / HL3 of requirement sets R1, R6, R7 and R17.

Technical Data

Thickness* (without 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 +120° C, no variation
Sea water resistance (DIN EN ISO 9227)	Adhered to aluminium, after 100h/35° 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 and alkalis
Fire resistance (DIN EN 13501-1)	B-s1,d0 (flame retardant, no/low smoke production, no flaming droplets)
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 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: www.orafol.com/gp/europe/en/support	Black / white: 10 years Transparent / coloured: 8 years Metallic: 6 years Brilliant blue L, copper, gold, metallic, bronze, pale gold, pyrite, redgold L, foliage green metallic, steppe green metallic: 3 years

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

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® colour films.

For application of the ORAFOL colour films (wrapping and removal) as well as for maintenance and use, 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.

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.

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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