

Description

Multi-layered, high performance cast PVC film, engineered to the highest technological standards. The product comes with a unique shade shifting effect - colour changing by viewing angle - and is specially developed for complete car wrapping. This special film is non-directional, meaning it is not necessary to apply the film in the same direction on the vehicle. The *RapidAir*® technology enables easy and quick application, without air inclusion, especially in large scale applications. Entrapped air can be easily removed by smoothing it out under the film. It is also suitable for uneven and slightly curved surfaces. The product should be worked in, cut and applied with an overlap at the edge, for more curved surfaces, or for corrugations and rivets. The applied material is easy to remove with the appropriate equipment.

Release Paper

Double sided PE coated *RapidAir*® paper, one side siliconised, 145 g/m²

Adhesive

Solvent polyacrylate, re-positionable, permanent, transparent

Technical Data

Thickness* (without paper and adhesive)	110 microns
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 50021)	Adhered to aluminium, after 100h/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 behavior (DIN 75200)	Adhered to steel, self-extinguishing
Adhesive power* (FINAT TM 1, after 24h, stainless steel)	16 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: min. 21 MPa Across: min. 21 MPa
Elongation at break (DIN EN ISO 527)	Along: min. 150% Across: min. 150%
Shelf life***	2 years
Application temperature	> +15° C
Maximum service life by specialist application and proper care and usage	3 years

Applies for vertical outdoor exposure and normal climate of Central Europe. Please follow the additional notes at the end of this datasheet. Further information is available here: www.orafol.com/gp/europe/en/support

* average ** sort-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® colour films.

Please note that by nature films are more sensitive than lacquers. Therefore, films must be treated and maintained with the greatest care. For application of ORAFOL colour films (wrapping and removal) as well as for maintenance and use, please refer to our documents 'Processing Guidelines' and 'Maintenance and Usage Terms' (both documents are available in pdf format to 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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