

Description

Multi-layered, high performance cast PVC film, engineered to the highest technological standards. Designed for car wrapping applications, without the need for top lamination. It is available in many colours, with a high glossy or matt finish. Super matt finish available in black. Specially developed for complete car wrapping. 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. The special adhesive enables adhesion onto lacquered surfaces, as well as onto uneven and corrugated surfaces and rivets and corrugations. The applied material is easy to remove with the appropriate equipment.

Premium Structure Cast Films should be worked in, cut and applied with an overlap at the edge, for more curved surfaces, or for corrugations and rivets.

Release Paper

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

Adhesive

Solvent polyacrylate, repositionable with permanent final adhesion, transparent

Technical Data

Thickness ⁽¹⁾ (without paper and adhesive)	0,11 mm (Structure Cast 0,15 mm)
Dimensional stability (FINAT TM 14)	Adhered to steel, max. 0,1 mm shrinkage
Temperature resistance ⁽²⁾	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
Marine: Below- and above water resistance (BS 5609, Section 2)	Certified (not valid for Structure Cast)
Resistance to solvents and chemicals	At room temperature, 72h after adhesion to aluminium, short-term resistance to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Fire behavior (DIN 75200)	Only valid for Structure Cast: Adhered to steel, self-extinguishing
Adhesive power ⁽¹⁾ (FINAT TM 1, after 24h, stainless steel)	16 N/25 mm
Tensile strength (DIN EN ISO 527)	Along: > 21 MPa (Structure > 11 MPa) Across: > 21 MPa (Structure > 11 MPa)
Elongation at break (DIN EN ISO 527)	Along: > 150% (Metallic >120%, Structure >35%) Across: > 150% (Metallic >120%, Structure >35%)
Shelf life ⁽³⁾	2 years
Application temperature	> +15° C
Maximum service life ⁽⁴⁾ (marine applications in brackets)	black, white 12 (10) years colors 10 (8) years metallic, structure 5 (4) years shift and special Effect 4 (3) years coppe, orient-brawn-metallic, 3 (2) years brass, pyrite, graphit-metallic, redgold-L-metallic, nacre

⁽¹⁾ average ⁽²⁾ short term exposure ⁽³⁾ in original packaging, at 20° C and 50% rel. humidity ⁽⁴⁾ maximum service life when applied by a specialist, and with the proper maintenance and care. Vertical outdoor weathering and central European climate. The actual and expected service life is determined by the environmental conditions, as well as pre-treatment of the substrate and regular maintenance. For more information, please visit <https://www.orafol.com/de/europe/produkte/oracal-970ra-premium-wrapping-cast>

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: <https://www.orafol.com/de/service/service/downloads>). 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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