

ORACAL® 970RA

Premium Special Effect Cast with RapidAir® Technology

Technical Datasheet

02/20

Page 1 of 2

Description

4.25-mil, multi-layered, high performance cast PVC wrapping film engineered with cutting edge technology. Designed specifically for vehicle wrapping applications, ready-to-use straight out of the box with a built-in protective clear coat. Available in 9 colors including gloss and matte finishes.

Release Liner

88# PE-coated silicone paper featuring advanced air release technology to facilitate quicker, easier application

Adhesive

Grey, solvent polyacrylate, repositionable, permanent adhesive that, with heat, can be removed with little or no adhesive residue for up to four years

Area of Use

Specially developed for short- to medium-term, complete wraps of fleet and motor sport vehicles in solid, opaque colors. Conforms to curved surfaces, rivets and corrugations. Does not require an overlamine.

Technical Data

Thickness* (without liner and adhesive)	4.25-mil
Dimensional Stability (FINAT TM-14)	Adhered to steel, shrinkage <.004"
Temperature Resistance**	Adhered to aluminum, -58°F to +248°F, no variation
Fire Behavior (DIN 75200) Fire Rating	Adhered to steel, self-extinguishing ASTM E 84-07 Class "A"
Adhesive Power* (FINAT TM-1, after 24 h)	Adhered to stainless steel: 3.65 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 21 MPa Across: Min. 21 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 120% Across: Min. 120%
Seawaterability (DIN 50021)	Adhered to aluminum, after 100h/73.4°F, no variation
Shelf Life***	2 years
Minimum Life Expectancy**** (bracketed durability used for applications onto all types of watercrafts)	4 (2) years
Minimum Application Temperature	59°F
Available Lengths Available Widths	75' (25-yard), 30' (10-yard) 60"

*average **short-term exposure *** in original packaging, at 68°F and 50% relative humidity **** standard central European climate vertical outdoor exposure

Note

Surfaces to which the material will be applied must be thoroughly cleaned from dust, grease or any contamination which could affect the adhesion of the material. Freshly lacquered or painted surfaces should be completely cured. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Films with structured surface are naturally more sensitive than the unstructured. Accordingly, these films are to be treated carefully both in processing and in cleaning. Impurities affect the appearance of structured films and



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Page 2 of 2

require more frequent cleaning. Furthermore the application information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis 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.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



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