



ORACAL® 970RA Premium Wrapping Cast

ORACAL® 970 Premium Wrapping Cast series is your ideal wrapping film for solid coloured fleet and motor sport vehicle wraps. Exceptional dimensional stability and conformability over curved surfaces, rivets and corrugations. The material does not require an over laminate.

Product benefits include:

- Multi-layered, high-performance cast PVC film (110 micron)
- Glossy and matte colours available
- Selection of special effects colours available
- Excellent dimensional stability and gloss retention
- Solvent based polyacrylate adhesive
- Re-positionable with permanent final adhesion
- The RapidAir® technology allows a rapid and bubble-free dry application and thus reduces application time and cost



Up to 10 Years
*Colour dependant



Premium Vehicle Wrapping



RapidAir® Technology



Ideal for plotter cutting



ORACAL® 970RA Technical Data

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 matte finish. Super matte 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.

Release Paper:

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

Adhesive:

Solvent polyacrylate, re-positionable, permanent, transparent

Thickness: ⁽¹⁾ (without paper and adhesive)	110 micron
Dimensional stability: ⁽¹⁾ (FINAT TM 14)	Adhered to steel shrinkage 0,1 mm max.
Temperature resistance: ⁽²⁾	Adhered to aluminium, -50° C to +120° C, no variation
Sea water resistance: (DIN 50021)	Adhered to aluminium, after 100h/35° C, no variation
Marine: Below- and above water resistance (BS 5609, Section 2)	Certified
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
Adhesive power: ⁽¹⁾ (FINAT TM 1, after 24h, stainless steel)	16 N/25 mm
Tensile strength: ⁽¹⁾ (DIN EN ISO 527)	Along: > 21 MPa Across: > 21 MPa
Elongation at break: ⁽¹⁾ (DIN EN ISO 527)	Along: > 150% Across: >150%
Shelf life: ⁽³⁾	2 years
Application temperature:	>+15° C
Maximum service life by specialist application: ⁽⁵⁾	Black, white: 12 (10) years Coloured: 10 (8) years Metallic: 5 (4) years Copper, Orient brown metallic, Bronze, Pyrite Graphite metallic, Red gold L, metallic and Nacre: 3 (2) years

(for application onto vehicles the maximum durability stated is valid; for application onto all types of watercrafts, the durability stated in brackets is valid)

⁽¹⁾ average ⁽²⁾ short-time exposure ⁽³⁾ in original packaging, at 20° C and 50% relative humidity ⁽⁴⁾ normal climate of Central Europe ⁽⁵⁾ 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. No legally binding warranty of certain qualities can be derived from information issued.