

ORACAL 870 Wrapping Cast

05/32

Description

Cast PVC film with outstanding dimensional stability and optimum application characteristics. High gloss finished surface.

Release paper

PE-coated silicone paper, 148 g/m²

Adhesive

Solvent polyacrylate, repositionable, permanent, transparent

Area of use

Particularly developed for car wrapping with high requirements for durability and solidity. Also suitable on uneven and arched surfaces. Good conformability to rivets and corrugations. Good removability with appropriate equipment.

Printing method

Very good suitable for screen printing.

Technical data

Thickness* (without protective paper and adhesive)	70 micron
Dimensional stability (FINAT TM 14)	adhered to steel, no shrinkage in cross direction, in length 0.1 mm max.
Temperature resistance	adhered to aluminium, -50°C to +110°C, no variation
Seawater 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)	18 N/25 mm
Tensile strength (DIN EN ISO 527)	
along	min. 19 MPa
across	min. 19 MPa
Elongation at break (DIN EN ISO 527)	
along	min. 120%
across	min. 120%
Shelf life**	2 years
Application temperature	min. +8°C
Service life by specialist application under vertical outdoor exposure (normal climate of Central Europe)	black / white: 10 years coloured / transparent: 8 years metallic: 6 years

* average ** in original packaging, at 20°C and 50% relative humidity

Attention:

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 allowed to dry for at least three weeks and to completely cure respectively. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. If the film is used for printing the ink must be thoroughly dried in order to avoid any affect on the later combination with a laminating film as well as on the adhesive power and on the durability of the system. Furthermore the application informations published by ORAFOL are to be considered.

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.



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