

ORACAL 970 Premium Wrapping Cast

Technical Data Sheet

08/07

Description

Multilayer casted PVC film with outstanding dimensional stability and optimum application characteristics. High gloss finished surface. Excellent keeping of high gloss level even after mechanical stress.

Release paper

Silicone coated on one side, 137g/m².

Adhesive

Solvent polyacrylate, repositionable, permanent, transparent

Area of use

Particularly developed for car wrapping with highest 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 solvent based digital printing and screen printing.

UV resistance

Colours police blue (572), police green (612) and taxi beige (809):

Exposure to Xenon light according to VW standard PV 3930 (Test Report nr. 21 05 50151 and 21 05 50201)

Technical data

Thickness* (without protective paper and adhesive)	100 micron
Dimensional stability (FINAT TM 14)	adhered to steel shrinkage 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. 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	> +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 information published by ORAFOL is to be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number.

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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