

ORACAL

851

Description

Cast PVC film with outstanding dimensional stability and optimal cutting and application characteristics. Surface in gloss, additionally in matt white, matt black and transparent.

Release paper

Special silicone coated paper on one side, 137 g/m² paper which provides excellent waste stripping properties. For white vinyl a light blue silicone coated paper is used to form a stronger contrast to lettering.

Adhesive

Solvent-based polyacrylate, permanent

Areas of use

Specially developed for unproblematic use with cutting plotter systems for lettering, marking and decoration with highest requirements for durability and solidity. Particularly suitable for high-quality vehicle and public transport system advertising. Applicable also to uneven and curved surfaces as well as to corrugations and rivets. Gloss surface is additionally recommended for thermotransfer printing (with resin ribbons).

Technical Data*

Thickness (without paper and adhesive)	50 micron						
Dimensional Stability (FINAT-TM 14)	adhered to steel, no shrinkage in cross direction, in length <0,1mm						
Seawaterability (DIN 50 021)	adhered to aluminium, no variation after 100h/23°C						
Temperature resistance	adhered to aluminium, -50°C to +110°C						
Resistance to solvents and chemicals	after 72h adhered to aluminium at room temperature resistant to most oils and greases, fuels, aliphatic solvents, weak acids and alkalis						
Flammability (DIN 75200)	adhered to steel, self-extinguishing						
Adhesive power (FINAT- TM 1, after 24 h, stainless steel, average)	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 (20°C and 50 % relative humidity)	2 years						
Minimum application temperature	+8°C						
Minimum life by specialist application with vertical external weathering (normal Central European climate)	<table> <tr> <td>white and black</td> <td>10 years</td> </tr> <tr> <td>transparent and coloured</td> <td>8 years</td> </tr> <tr> <td>metallic</td> <td>6 years</td> </tr> </table>	white and black	10 years	transparent and coloured	8 years	metallic	6 years
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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 stand for at least three weeks after complete curing. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material.

* 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.

