

ORACAL

551

Description

Polymeric high performance PVC film, surface glossy, with excellent lightfastness and weather resistance. The specially developed acrylic based adhesive ensures the highest dimensional stability.

Release paper

Special silicone coated paper on one side, 137 g/ m², which provides excellent waste- stripping properties.

For white vinyl a light blue silicone paper is used to form a stronger contrast to lettering.

Adhesive

Solvent-acrylic based, permanent.

Areas of use

Developed for use with modern cutting plotter systems for outdoor lettering with high requirements, e.g. vehicle lettering, decoration of shop windows and marking of products.

Technical data*

Thickness (without paper and adhesive)	75 micron
Dimensional stability (FINAT - TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length < 0,2 mm
Seawaterability (DIN 50 021)	adhered to aluminium, 100 h/ 23°C no variation
Temperature resistance	adhered to aluminium, -50°C to +90°C no variation, for short period (24 h) +100°C no variation
Solvent and chemical resistance	72 h after adhering to aluminium, at room temperature, resistant to most oils and greases, fuel, aliphatic solvents, weak acids, salts and alkalis
Flammability	adhered to steel, self- extinguishing
Adhesive power (FINAT FTM- 1, after 24 h, stainless steel)	min. 20 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. 130 %
across	min. 150 %
Shelf life (20 °C and 50 % relative humidity)	2 years
Minimum application temperature	+8°C
Service life by specialist application under vertical outdoor exposure (normal climate of central Europe)	5 years

Attention:

Surfaces to which the material will be applied must be thoroughly free of dust, grease or other contamination that 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.

