

Description

High performance cast PVC film with outstanding dimensional stability and optimal cutting and converting characteristics. High gloss finished surface, additionally in matt white and matt black.

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 coated paper is used to form a stronger contrast to lettering.

Adhesive

Solvent polyacrylate, permanent

Area of use

Specially developed for unproblematic use on cutting plotter systems for lettering, marking and decoration with extreme requirements for durability and solidity. Particularly suitable for high-quality vehicle and public transport system advertising. Excellent conformability to rivets and corrugations.

High gloss finished surface is additionally suitable for thermal transfer printing (with resin ribbons).

Technical data

Thickness* (without protective paper and adhesive)	50 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 behaviour (DIN 4102-1)	Only flame resistant (class DIN 4102-B1) on steel surface
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: 12 years transparent / coloured: 10 years

* average

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

*** normal climate of Central Europe

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. 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.

