

ORACAL® 951

Premium Cast

Short description

Moulded premium PVC film for plotter applications with optimum cutting and processing properties. Specifically developed for labelling, markings and decorations. Suitable in particular for high-quality advertising on vehicles and means of transport. Also applicable on uneven and curved substrates as well as in beads and over rivets. Surface high-gloss, in addition matt white and matt black. The high-gloss surface finish is suitable for digital thermal transfer printing (with resin ribbons).

Front material

Cast PVC film, cast film, 0.05 mm

Liner

One-sided siliconized kraft paper, 137 g/m²

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.03 mm

Technical properties

RESISTANCE

Durability	with vertical outdoor exposure, normal Central European climate	
	10 Year(s)	Black, white
	8 Year(s)	Transparent, coloured
	6 Year(s)	metallic
	3 Year(s)	Copper, gold metallic, bronze, lead gold, pyrite, red gold L, leaf green metallic, steppe green metallic
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Resistance to solvents and chemicals	Greases, Fuels, Weak acids, Salts and alkalis, Isopropyl alcohol, Washing suds (0.5 % household cleaner)	At room temperature
Maximum shrinkage	Maximum shrinkage along 0.1 mm Maximum shrinkage across 0.1 mm	bonded to steel FINAT TM 14

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Elongation at break	Minimum elongation at break along 150 %	DIN EN ISO 527
	Minimum elongation at break across 150 %	DIN EN ISO 527
Tensile strength	Minimum tensile strength along 21 N/mm ²	EN ISO 527
	Minimum tensile strength across 21 N/mm ²	
Seawater resistance	no change	after 100h/35°C adhered to aluminum, DIN EN ISO 9227
Temperature resistance	Minimum temperature -40 °C	Short-term load, bonded to aluminum
	Maximum temperature 60 °C	

ADHESIVE PROPERTIES

Adhesive power	18 N/25 mm	after 24 h, on stainless steel FINAT TM 1
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PROCESSING

Application temperature	Minimum temperature 10 °C
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Certificates

- [ABG_951_D5438.pdf](#) (Download)
- [951 B-s1_d0 Mineralischer_Untergrund Klassifizierung nach DIN EN 13501-1.pdf](#) (Download)
- [ORACAL_951_-_DIN_EN_45542_-_DB-ST-AU-21-65966-104-1.1.pdf](#) (Download)
- [951 B-s1_d0 Mineralischer_Untergrund Klassifizierung nach DIN EN 13501-1 en.pdf](#) (Download)
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PRODUCT NOTE

Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that 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. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material.

IMPORTANT NOTES

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