ORACAL® 651

Intermediate Cal

Short description

Blended polymer PVC film with glossy or matt surface

Front material

Partially polymer PVC film, 0.07 mm

Liner

One-sided siliconized kraft paper, 137 g/m²

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.023 mm

Recommended transfer materials

ORATAPE® HT95 Application Tape, ORATAPE® LT52 Application Tape, ORATAPE® LT95 Application Tape, ORATAPE® MT52 Application Tape, ORATAPE® MT72 Application Tape, ORATAPE® MT80P Application Tape, ORATAPE® MT95 Application Tape

Technical properties

RESISTANCE

Durability	with vertical outdoor exposure, normal Central European climate	
	5 Year(s)	Black, white
	4 Year(s)	transparent, coloured, metallic
	3 Year(s)	brilliant blue
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Maximum shrinkage	Maximum shrinkage along 0.4 mm Maximum shrinkage across 0 mm	bonded to steel | FINAT TM 14
Elongation at break	Minimum elongation at break along 130 % Minimum elongation at break across 150 %	DIN EN ISO 527

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

Tel: +49 (0)3301 864-0
graphic.solutions@orafol.de
www.orafol.com

ORACAL® 651

Intermediate Cal

Tensile strength	Minimum tensile strength along 19 N/mm² Minimum tensile strength across 19 N/mm²	DIN EN ISO 527
Seawater resistance	no change	after 100h/35°C | adhered to aluminum, DIN EN ISO 9227
Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	Short-term exposure up to 110 °C |

ADHESIVE PROPERTIES

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

PROCESSING

Application temperature	Minimum temperature 10 °C	

Certificates

- ABG_651_D5292.pdf (Download)
- 651_C-s1,d0 - Mineralischer Untergrund - Klassifizierung nach DIN EN 13501-1 - de.pdf (Download)
- 651_C-s1,d0 - mineral substrate - classification acc. to DIN EN 13501-1 - en.pdf (Download)
- 651_C-s1,d0 - mineral substrate - classification acc. to DIN EN 13501-1 - en.pdf (Download)
- 651_C-s1,d0 - mineral substrate - classification acc. to DIN EN 13501-1 - en.pdf (Download)
- 651_C-s1,d0 - mineral substrate - classification acc. to DIN EN 13501-1 - en.pdf (Download)
- 651_C-s1,d0 - mineral substrate - classification acc. to DIN EN 13501-1 - en.pdf (Download)

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

All ORACAL® products are subject to careful quality control throughout the manufacturing process. It is guaranteed that the products are delivered in merchantable quality and free of manufacturing defects. The traceability of our goods in accordance with ISO 9001 is ensured by means of the roll number. The information published on ORACAL® products is based on research results which the company believes to be reliable, but which do not constitute a guarantee. Because of the wide variety of uses of ORACAL® products and the continuing development of new applications, it is the responsibility of the purchaser to carefully evaluate the suitability and performance of the product for its intended use. Furthermore, the processing instructions issued by ORAFOL must be observed. The purchaser bears all risks arising from the use of these products. All information is subject to change without notice. ORACAL® is a registered trademark of ORAFOL Europe GmbH.

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

Tel: +49 (0)3301 864-0
graphic.solutions@orafol.de
www.orafol.com