ORACAL® 1668

Opaque Vinyl

Short description

Self-adhesive, high-quality soft PVC film for short- and medium-term indoor and outdoor advertising applications. This opaque, white printing film is ideal for covering existing surfaces and graphics, particularly on glass panes and in point-of-sale (POS) applications. Suitable for UV offset, latex inkjet, eco-solvent, and screen printing. The black-colored adhesive ensures high opacity and reliable coverage. The film offers excellent flatness, high whiteness, and brilliant color reproduction, and is removable.

Front material

Soft PVC Film, 0.1 mm

Liner

One-sided siliconized kraft paper, 137 g/m²

Adhesive

Polyacrylate, Black, 0.019 mm

Technical properties

RESISTANCE

Durability	with vertical outdoor exposure, normal Central European climate 2 Year(s)	
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 FINAT TM 14
Elongation at break	Minimum elongation at break along 130 % Minimum elongation at break across 150 %	DIN EN ISO 527
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

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

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

ORACAL® 1668

Opaque Vinyl

Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	Short-term exposure up to 110 °C |

ADHESIVE PROPERTIES

Adhesive power	6 N/25 mm	after 24 h, on stainless steel | Average value, FINAT TM 1

PROCESSING

Application temperature	Minimum temperature 10 °C	

PRODUCT NOTE

After printing, ensure that the inks dry thoroughly so as not to impair the subsequent bond with the laminate. The substrate to be covered must be free of dust, grease or other contaminants that could impair the adhesive strength of the material. New coatings must be dry or fully cured. Application tests must be carried out with the intended paints to determine compatibility.

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