ORACAL® 820

Safety Vinyl

Short description

Special self-adhesive film made of polymeric PVC film for high-quality indoor applications. Suitable for UV inkjet, latex inkjet, (eco)solvent, and thermal transfer printing, as well as screen printing. The permanent adhesive and excellent flatness ensure reliable and precise handling. Specially developed for labels and seals. When removed, the film peels off only in fragments, thereby providing additional tamper-evident protection.

Front material

Cast PVC film, cast film, 0.055 mm

Liner

PE-coated paper on both sides, siliconised on one side, 143 g/m²

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.026 mm

Technical properties

RESISTANCE

Durability	with vertical outdoor exposure, normal Central European climate	
	5 Year(s)	unprinted
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Maximum shrinkage	Maximum shrinkage along 0.2 mm Maximum shrinkage across 0 mm	bonded to steel | FINAT TM 14
Elongation at break	Minimum elongation at break along 4 % Minimum elongation at break across 4 %	DIN EN ISO 527
Tensile strength	Minimum tensile strength along 14 N/mm² Minimum tensile strength across 14 N/mm²	DIN EN ISO 527
Temperature resistance	Minimum temperature -40 °C Maximum temperature 80 °C	Short-term exposure up to 110 °C |

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

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

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ADHESIVE PROPERTIES	
PROCESSING	
Application temperature	Minimum temperature 10 °C

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.

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