

# ORACAL 640 Print Vinyl

Technical Data Sheet

08/38

## Description

Soft PVC film which conforms well with the substrate. Glossy and matt surface.

## Release paper

Silicone coated paper on one side, 135 g/m<sup>2</sup>.

## Adhesive

Polyacrylate, permanent

## Area of use

For short- and medium-term outdoor applications such as markings, inscriptions and decorations. Indoor exposure is almost unlimited.

## Printing method

Screen printing is recommended. Special inks are necessary for UV-offset printing and flexoprinting.

## Certificates

General Type Approval (ABG) acc. to § 22a StVZO, Federal German Road Traffic Licensing Order (~~~D5426)

## Technical data

<b>Thickness*</b> (without protective paper and adhesive)	80 micron
<b>Dimensional stability</b> (FINAT TM 14)	adhered to steel, no measurable shrinkage in cross direction, in length 0.4 mm max.
<b>Temperature resistance***</b>	adhered to aluminium, -40°C to +80°C, no variation
<b>Water resistance</b>	adhered to aluminium, after 48h/23°C no variation
<b>Adhesive power*</b> (FINAT TM 1, after 24h, stainless steel)	16 N/25 mm
<b>Tensile strength</b> (DIN EN ISO 527)	
along	min. 19 MPa
across	min. 19 MPa
<b>Elongation at break</b> (DIN EN ISO 527)	
along	min. 130%
across	min. 150%
<b>Shelf life**</b>	2 years
<b>Application temperature</b>	> +10°C
<b>Service life by specialist application</b> under vertical outdoor exposure (normal climate of Central Europe)	3 years (not printed)

\* 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.



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