

# ORACAL 552 High Performance Vinyl

07/16

## Description

High-performance PVC film ensuring lightfastness and weather resistance to a highest extent. Available in white and black with glossy and matt surface as well as in transparent.

## Release paper

PE-coated release paper on both sides, 148 g/m<sup>2</sup>.

## Adhesive

Solvent polyacrylate, permanent

## Area of use

Specially developed for high quality screen printing, for outdoor lettering, decoration and marking of products with highest demands on resistance and durability.

## Printing method

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

## Technical data

|   |   |
|---|---|
| <b>Thickness*</b> (without protective paper and adhesive)   | 70 micron   |
| <b>Dimensional stability</b> (FINAT TM 14)  | adhered to steel, no measurable shrinkage in cross direction, in length 0.2 mm max.   |
| <b>Temperature resistance</b>   | adhered to aluminium, -40°C to +90°C (short-term at +100°C), no variation   |
| <b>Seawater resistance</b> (DIN 50021)  | adhered to aluminium, after 100h/23°C no variation  |
| <b>Resistance to solvents and chemicals</b>   | at room temperature, 72h after adhesion to aluminium, short-term resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis |
| <b>Fire behavior</b> (DIN 75200)  | adhered to steel, self-extinguishing  |
| <b>Adhesive power*</b><br>(FINAT TM 1, after 24h, stainless steel)  | 18 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>  | min. +8°C   |
| <b>Service life by specialist application</b><br>under vertical outdoor exposure (normal climate of Central Europe) | 7 years   |

\* average \*\* in original packaging, at 20°C and 50% relative humidity

## 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 informations published by ORAFOL are to be considered.

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.



ORAFOL Europe GmbH - Am Biotop 2 - D 16515 Oranienburg  
Telefon: +49 (0) 33 01/864 0 - Telefax: +49 (0) 33 01/864 100  
E-Mail: [verkauf@orafol.de](mailto:verkauf@orafol.de) - Internet: <http://www.orafol.d>