

## 551

## High Performance Cal

**Description**

High-performance PVC film with optimal cutting and conversion properties. Developed especially for lettering, marking and decoration, with good weeding properties. Particularly suitable for high-quality vehicle and public transport system advertising. Also suitable for uneven and slightly curved surfaces. For more curved surfaces as well as for corrugations or rivets these films should be worked in, cut and applied with an overlap at the edges. Glossy surface, additionally in matt white and matt black. The glossy surface is suitable for thermal transfer printing (with resin ribbons).

**Release paper**

Silicone coated paper on one side, 137 g/m<sup>2</sup>, which provides excellent waste-stripping properties. For white vinyl a light blue silicone paper is used to form a stronger contrast to lettering.

**Adhesive**

Solvent polyacrylate, permanent

**Certificates**

General Type Approval (ABG) acc. to § 22a StVZO, Federal German Road Traffic Licensing Order (~~~D5291)

**Technical Data**

<b>Thickness*</b> (without protective paper and adhesive)	65 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, -50°C to +90°C (short-term, max. 24h, 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, shortterm resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
<b>Fire behaviour</b> (DIN 50021)	PVC film: adhered to steel, self-extinguishing
<b>Adhesive power*</b> (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. 150% across: min. 170%
<b>Shelf life***</b>	2 years
<b>Application temperature</b>	> +8°C
<b>Maximum service life by specialist application and proper care and usage</b> applies for vertical outdoor exposure and normal climate of Central Europe. Please follow the additional notes at the end of this data sheet. Further information is available here: <a href="http://www.orafol.com/gp/europe/en/support">www.orafol.com/gp/europe/en/support</a>	Black / white: 8 years Transparent / coloured: 7 years Metallic: 4 years

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

**Important to note**

The above information is based upon our present knowledge and practical experience. The information is given without any guarantee or agreement with regards to the quality or properties of the material. It does not constitute a warranty of any certain quality, properties and/or service life concerning the ORAFOL® colour films.

Please note that by nature films are more sensitive than lacquers. Therefore films must be treated and maintained with the greatest care. For application of the ORAFOL colour films (wrapping and removal) as well as for maintenance and use, we refer to our documents 'Processing Guidelines' and 'Maintenance and Usage Terms' (both documents are available for pdf download: [www.orafol.com/gp/europe/en/support](http://www.orafol.com/gp/europe/en/support)). If our guidelines are not followed, please be advised that in particular the maximum service life information, stated as based on our experience, does not apply. Further information about the expected maximum service



life is found in the Processing Guidelines (see no. 2 there). If the Processing Guidelines and Maintenance and Usage Terms are not complied with, any warranty and liability is excluded.

Please contact a professional workshop or ORAFOL's customer support if you have further questions.

The batch traceability according to ISO 9001 is done on the base of the roll number.