



ORACAL® 551 High Performance Cal

A PVC film with optimal cutting and conversion properties. Developed specially for lettering, marking and decoration.

Particularly suitable for high-quality vehicle and public transport system advertising. Also suitable for uneven and slightly curved surfaces.

Available in an expansive range of gloss colours. Black and white also available in matte.

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Durability of up to 8 years
*colour dependant



Suitable for signage interior,
exterior & vehicle



Ideal for plotter cutting
Excellent weeding and stripping

P

Permanent adhesive



ORACAL® 551 Technical Data

Description:

Polymeric PVC film, available in different colours with a glossy surface, additionally in matte white and matt black.

Release Paper:

Silicone coated paper on one side, 137 g/m², which provides excellent weed-stripping properties. For white vinyl, a light blue silicone paper is used to form a stronger contrast to lettering.

Adhesive:

Solvent polyacrylate, permanent.

Thickness: * (without paper and adhesive)	70 micron
Dimensional stability: (FINAT TM 14)	Adhered to steel, no measurable shrinkage in cross direction, in length 0,2 mm max.
Temperature resistance: ***	Adhered to aluminium, -50° C to +90° C (short-term, max. 24h, at +100° C) no variation
Sea water resistance: (DIN EN ISO 9227)	Adhered to aluminium, after 100h/35° C, no variation
Resistance to solvent and chemicals:	At room temperature, 72h after adhesion to aluminium, shortterm resistant to most oils and greases, fuels, aliphatic solvents, weak acids, salts and alkalis
Fire behaviour: (DIN EN 13501-1)	Adhered to steel, self-extinguishing
Adhesive power: * (FINAT TM 1, after 24h, stainless steel)	18 N/25 mm
Tensile strength: (DIN EN ISO 527)	Along: > 19 MPa Across: > 19 MPa
Elongation at break: (DIN EN ISO 527)	Along: > 150% Across: > 170%
Shelf life: ***	2 years
Application temperature:	>+8° C
Maximum service life by specialist application:	Black / white: 8 years Transparent / coloured: 7 years Metallic: 4 years Brilliant blue L: 3 years Under vertical outdoor exposure (normal climate of Central Europe)

*average ** in original packaging, at 20° C and 50% relative humidity ***normal climate of Central Europe

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, please refer to our documents 'Processing Guidelines' and 'Maintenance and Usage Terms' (both documents are available for pdf download. No legally binding warranty of certain qualities can be derived from information issued.