



ORACAL® 651 Intermediate Cal

An intermediate soft PVC film.

- Ideal for short to medium term applications, lettering and signage
- Suited for cutting on most plotter systems
- For interior and exterior use
- Available in an expansive range of vibrant colours
- Selected matte colours available

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Durability of up to 5 years
*colour dependant



Suitable for signage interior
& exterior



Ideal for plotter cutting

P

Permanent adhesive



ORACAL® 651 Technical Data

Description:

Blended polymeric PVC film with glossy or matt surface.

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 0,4 mm max.
Temperature resistance: ***	Adhered to aluminium, -40° C to +80° C, no variation
Sea water resistance: (DIN EN ISO 9227)	Adhered to aluminium, after 100h/35° C, no variation
Fire resistance: (DIN EN 13501-1)	C-s1,d0 (flame retardant, no/low smoke production, no flaming droplets)
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: > 130% Across: > 150%
Shelf life: ***	2 years
Application temperature:	>+8° C
Maximum service life by specialist application:	Black / white: 5 years Transparent / coloured / metallic: 4 years Brilliant blue: 3 years Applies for vertical outdoor exposure ⁽⁴⁾

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

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. Furthermore, the application information published by ORAFOL must be considered. The batch traceability according to ISO 9001 is possible on the basis of the roll number. No legally binding warranty of certain qualities can be derived from information issued.