

Description

ORACAL® 951 stands out with the widest range of colors in ORAFOL's ORACAL plotter film portfolio, offering 95 high gloss colors and transparent, matte white, matte black, and 45 metallic colors!

ORACAL® 951 is designed to withstand extreme climatic and atmospheric conditions. With industry-leading dimensional stability, gloss levels, and fade resistance, your graphic applications will remain vibrant for years. The OEM properties of ORACAL® 951 make it a trusted long-term premium solution for automotive, RV, and boat graphic markings and general signage and commercial window graphic applications.

Are you seeking a high-performance Cast PVC plotter film with air-egress properties? Consider [ORACAL® 751RA](#) with ORAFOL's *RapidAir®* air-egress adhesive technology. ORACAL® 751RA is available in 12 high gloss colors!

Would you prefer a bolder, more intense metallic finish for your upcoming graphic project? Take a look at [ORACAL® 851 Sparkling Glitter Metallic](#) Premium Cast PVC plotter film. It comes in 18 vibrant metallic shades.

Release Liner

84# custom silicone-coated paper with special release characteristics that provide excellent weeding and release values. Customized blue silicone paper liner for matte and gloss white face film provides superior contrast for weeding.

Adhesive

Clear, solvent-based, permanent adhesive

Film Construction

Premium Cast PVC (*Up to 10 years*)

Finish + Colors

Available in 95 high gloss colors, plus transparent, matte white, matte black and 45 metallic colors

Applications

- Flat or Conformable, medium- to long-term applications
 - Car, Truck, Van, & Trailer Graphics
 - Interior & Exterior General Signage
 - Architectural & Automotive Window Graphics
 - Boat and Marine Graphics
 - Railroad Graphics (*Meets AAR Specification M-947*)

Compatible Application Tapes

- ORATAPE® HT55 (*paper*)
- ORATAPE® MT95 (*clear conformable*)

Outdoor Durability

Vertical Exposure, Climate Zone 1

- 10 years – black and white
- 8 years - colors/transparent
- 6 years - metallic
- 3 years – brilliant blue (086), metallic colors with reduced outdoor durability: bronze (920), copper (092), foliage green (679), gold (091), pale gold (925), pyrite (926), red gold L (944) steppe green (680) metallic



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ORACAL® 951 PREMIUM CAST PLOTTER FILM

Technical Datasheet

06/25

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Certifications

Meets AAR Specification M-947

Splice Free Guarantee

Our Splice Free Guarantee assures you that every roll of ORAGUARD® over-laminate is free from splices. If you identify a verifiable splice, we will promptly replace the roll at no cost and provide you with \$500 as a token of our commitment to your satisfaction and uninterrupted graphic production experience.

Technical Data

Thickness (without liner and adhesive)	2-mil	
Dimensional Stability (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.004"	
Temperature Resistance	Adhered to aluminum, -58°F to +230°F, no variation	
Fire Behavior (DIN 75200) Fire Rating	Adhered to steel, self-extinguishing ASTM E 84-07 Class "A"	
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 4.1 lb/in	
Tensile Strength (DIN EN ISO 527)	Along: Min. 21 MPa Across: Min. 21 MPa	
Elongation at Break (DIN EN ISO 527)	Along: Min. 150% Across: Min. 150%	
Seawaterability (DIN 50 021)	Adhered to aluminum, after 100h/73°F, no variation	
Shelf Life (68°F/50% relative humidity)	2 years	
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	10 years – black and white / 8 years – colors & transparent 6 years – metallic / 3 years – brilliant blue L, bronze, copper, foliage green, gold metallic, pale gold, pyrite, red gold L, metallic, steppe green metallic	
Minimum Application Temperature	46°F	
Available Lengths Available Widths	150' (50-yard) 15" (punched), 24", 30", 48" 36" (white and transparent only)	30' (10-yard) 15" (punched), 24", 30", 48"
Recommended Application Tapes	ORATAPE® Series HT55, MT95, MT72, MT80P	
Print Compatibility	Thermal transfer (gloss finish only) Resin Ribbons	



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Note

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 completely cured. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. Films with structured surface are naturally more sensitive than the unstructured. Accordingly, these films are to be treated carefully both in processing and in cleaning. Impurities affect the appearance of structured films and require more frequent cleaning. 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.

IMPORTANT NOTICE

All ORACAL® products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning ORACAL® products is based upon research which the Company believes to be reliable although such information does not constitute a warranty. Because of the variety of uses of ORACAL® products and the continuing development of new applications, the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser shall assume all risks regarding such use. All specifications are subject to change without prior notice.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.



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