

ORACAL® Series 951 Premium Cast

Description

Oracal's new flagship plotter film, providing up to 12 years of outdoor durability and unrivaled levels of gloss and conformability. This Cast PVC film is engineered for outstanding dimensional stability and ease of cutting and application. Available in 97 high-gloss colors, plus transparent, matte white and matte black.

Release Paper

84# PE-coated silicone paper with special release characteristics that provide excellent weeding and release values. Customized blue silicone paper liner for white provide superior contrast for cutting and weeding.

Adhesive

Solvent polyacrylate, permanent

Applications

Designed for creating long-term lettering, marking and decorative elements with high visual impact. Excellent conformability over rivets and corrugations. Suitable for high-quality vehicle and public transportation system advertising. High-gloss finish is thermal-transfer compatible (with resin ribbons).

Technical Data

Thickness (without protective paper and adhesive)	2 mil
Dimensional Stability	Adhered to steel, no measurable shrinkage in cross direction; in length, < .004"
Temperature Resistance	Adhered to aluminum, -58°F to +230°F, no variation
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 4.1 lb/in
Resistance to Cleaning Agents	After 72h adhered to aluminum at room temperature, resistant to most oils and greases, aliphatic solvents, weak acids and alkalis
Tensile Strength (DIN EN ISO 527) Along Across	Min. 21 MPa Min. 21 MPa
Elongation at Break (DIN EN ISO 527) Along Across	Min. 150% Min. 150%
Seawaterability (DIN 50 021)	Adhered to aluminum, no variation after 100h/73°F
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Application Temperature	46°F
Available Lengths Available Widths (inches)	10-yard and 50-yard rolls 24, 30, 36 (#000 transparent, #010 white only), 48 15 punched
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	12 years – black/white 10 years – colors/transparent

Attention

Surfaces to which the material will be applied must be cleaned thoroughly of dust, grease or any contaminants. Freshly lacquered or painted surfaces should be allowed to stand for at least three weeks after complete curing. The compatibility of selected lacquers and paints should be tested by the end-user prior to use.

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 any 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.

