

# ORACAL® Series 851 Premium Cast

## Description

Cast PVC film with outstanding dimensional stability and cutting and application characteristics. 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

<b>Thickness</b> (without protective paper and adhesive)	2 mil
<b>Dimensional Stability</b>	Adhered to steel, no measurable shrinkage in cross direction; in length, < .004"
<b>Temperature Resistance</b>	Adhered to aluminum, -58°F to +230°F, no variation
<b>Adhesive Power</b> (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 4.1 lb/in <sup>2</sup>
<b>Resistance to Cleaning Agents</b>	After 72h adhered to aluminum at room temperature, resistant to most oils and greases, aliphatic solvents, weak acids and alkalis
<b>Tensile Strength</b> (DIN EN ISO 527) Along Across	Min. 19 MPa Min. 19 MPa
<b>Elongation at Break</b> (DIN EN ISO 527) Along Across	Min. 120% Min. 120%
<b>Seawaterability</b> (DIN 50 021)	Adhered to aluminum, no variation after 100h/73°F
<b>Shelf Life</b> (68°C/50% relative humidity)	2 years
<b>Minimum Application Temperature</b>	46°F
<b>Available Lengths</b> <b>Available Widths</b> (inches)	10-yard and 50-yard rolls 24, 36 (#000 transparent, #010 white only), 48 15 punched, 30 punched
<b>Minimum Life Expectancy</b> (based on accepted application procedures on vertical surfaces)	10 years – black/white 8 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.

