

### Description

ORACAL 8800 is a premium, translucent colored backlit material designed for high-quality illuminated rigid or flexible signage and graphics. With a satin finish and a thickness of 2 mil, this film offers excellent durability and versatility.

Also, consider these additional ORAFOL Graphic Solutions when constructing illuminated signage and graphics:

- [ORACAL 8870 Blockout Premium Cast](#)
- [ORACAL 8830 Diffuser Premium Cast](#)
- [ORACAL 8860 Diffuser Premium Cast](#)
- [ORACAL 8500 Translucent High-Performance Cal](#)
- [ORAJET 3850 Translucent High-Performance Cal Digital Print Media](#)
- [ORAJET 3951 Transparent Cast Digital Print Media](#)
- [ORAJET 3551 Transparent High-Performance Cal Digital Print Media](#)

### Key Features

- Finish: Satin
- Thickness: 2 mil
- Adhesive: Solvent-based, permanent
- Color: Available in 44 vibrant colors

### Release Liner

4-mil silicone-coated, translucent polyester liner

### Adhesive

Clear, solvent-based, permanent adhesive

### Applications

- Illuminated channel letters and sign faces
- Thermoformed Illuminated Sign Faces

### Outdoor Durability

- Climate Zone 1
  - 10 years for Black & White
  - 8 years for Colors
  - 5 years for Metallic
- Climate Zone 2
  - 8 years for Black & White
  - 6 years for Colors
  - 3 years for Metallic
- Climate Zone 3
  - 6 years for Black & White
  - 4 years for Colors
  - 1.5 years for Metallic

### Thermoforming Benefits

When utilized in the thermoforming process, ORACAL 8800 offers:

- Strong adhesive power
- Premium color retention
- Extremely conformable
- Long-lasting results



ORAFOL Americas – GA  
1100 Oracal Parkway  
Black Creek, GA 31308  
Phone: 888.672.2251

ORAFOL Americas – CT  
120 Darling Drive  
Avon, CT 06001  
Phone: 800.654.7570

ORAFOL Canada  
2831 Bristol Circle  
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Phone: 888.727.3374

### Compatible Substrates

- Acrylic
- Polycarbonate
- Glass

### 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

<b>Thickness</b> (without liner and adhesive)	2-mil
<b>Dimensional Stability</b> (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.004"
<b>Temperature Resistance</b>	Adhered to acrylic, -49°F to +176°F, no variation
<b>Fire Behavior</b> (DIN 75200) <b>Fire Rating</b>	Adhered to steel, self-extinguishing ASTM E 84-07 Class "A"
<b>Adhesive Power</b> (FINAT TM-1, after 24 h, average)	Adhered to glass: 4.1 lb/in Adhered to acrylic: 3.7 lb/in
<b>Tensile Strength</b> (DIN EN ISO 527)	Along: Min. 21 MPa Across: Min. 21 MPa
<b>Elongation at Break</b> (DIN EN ISO 527)	Along: Min. 120% Across: Min. 120%
<b>Resistance to Solvents and Chemicals</b>	Adhered to glass after 8h in 0.5% household cleaning Agents at room temperature and 149°F, no variation
<b>Shelf Life</b> (68°F/50% relative humidity)	2 years
<b>Minimum Life Expectancy</b> (based on accepted application procedures on vertical surfaces)	10 years - black and white 8 years - colors 5 years - metallic
<b>Minimum Application Temperature</b>	46°F
<b>Available Lengths</b> <b>Available Widths</b>	150' (50-yard) and 30' (10-yard) 24", 48"
<b>Recommended Application Tapes</b>	ORATAPE® Series HT55, MT95, MT72, MT80P
<b>Print Compatibility</b>	Thermal Transfer



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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 may expose you to chemicals which are known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to – [P65Warnings.ca.gov](http://P65Warnings.ca.gov)



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