

# ORACAL® 6510 FLUORESCENT CAST PLOTTER FILM

Technical Datasheet  
05/2024  
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## Description

Boost Visibility with ORACAL® 6510 Fluorescent Cast PVC Vinyl Film! Make your message impossible to miss with ORACAL® 6510 fluorescent cast PVC vinyl film. This high-visibility series shines brightly in all daylight conditions, as well as twilight and poor visibility situations.

Perfect for short-term graphics needing maximum impact, such as vehicle advertising, motorsport numbers, P.O.P. displays, labels, decals, and retail signage. With 6 vibrant fluorescent neon colors to choose from, your designs will stand out from the crowd. Plus, ORACAL® 6510 isn't just for business use. Enhance bicycle safety during overcast, dusk, and dawn weather conditions. Add a pop of bright fluorescent color to kids' backpacks, making them more visible at bus stops.

With outdoor durability in mind, ORACAL® 6510 offers lasting performance. Fluorescent Yellow will maintain its brightness for up to 2 years, while all other colors will remain vibrant for approximately 1 year before the fluorescent properties begin to fade. Make your message P.O.P. with ORACAL® 6510 fluorescent vinyl film.

Do you need a longer-lasting fluorescent vinyl solution? Consider ORACAL® Series 7510 Premium Fluorescent Cast PVC vinyl film, fluorescent yellow 3 yrs. and all other colors 2 yrs.

## Release Liner

84# silicone-coated paper

## Adhesive

Clear, solvent-based, permanent

## Film Construction

High-Performance Fluorescent Cast PVC Film

## Finish

Semi-gloss appearance

## Applications

- Flat, or conformable, short-term applications
  - Car, Truck, Van, & Trailer Graphics
  - Motorsport Graphics
  - Labels and Decals
  - Point of Purchase Graphics
  - Bicycle and Personal Safety Graphics
  - Emergency Vehicle and Boat Safety Graphics

## Recommended Application Tapes

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

## Outdoor Durability

Vertical Exposure, Climate Zone 1

- 2 years – fluorescent yellow
- 1 year – all other colors



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## 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)	4-mil
<b>Dimensional Stability</b> (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.012"
<b>Temperature Resistance</b>	Adhered to aluminum, -40°F to +221°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 stainless steel: 3.5 lb/in
<b>Tensile Strength</b> (DIN EN ISO 527)	Along: Min. 13 MPa Across: Min. 13 MPa
<b>Elongation at Break</b> (DIN EN ISO 527)	Along: Min. 100% Across: Min. 100%
<b>Shelf Life</b> (68°F/50% relative humidity)	2 years
<b>Minimum Life Expectancy</b> (based on accepted application procedures on vertical surfaces)	1 year – all colors ( <i>unprinted</i> ) 2 years – fluorescent yellow ( <i>unprinted</i> )
<b>Minimum Application Temperature</b>	46°F
<b>Available Lengths</b> <b>Available Widths</b>	150' (50-yard) and 30' (10-yard) 15" (punched), 24", 30", 48"
<b>Recommended Application Tapes</b>	ORATAPE® Series HT55, MT95, MT72, MT80P
<b>Print Compatibility</b>	Screen and thermal printing

## 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.



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## 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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