

# ORALITE® Series 5600 Fleet Engineering Grade Reflective Film

## Flexible and Printable

### The Next Generation of Reflective Film

This exciting new addition to ORACAL's family of technologically advanced films is printable, flexible and offers long-term removability with heat. Series 5600 is an ideal reflective film for vehicle applications over flat surfaces, rivets and simple curves. ORALITE® Series 5600 complies with various international standards for retroreflectivity, including ASTM D 4956. Available in 14 high-impact colors, 5-mil Series 5600 features a permanent, solvent-based adhesive and an 84-lb. PE-coated liner.

### ORACAL® Series 5600 Fleet Engineering Grade Reflective Film

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| ✓ Innovative glass bead layer                                 | = Creates a unique retroreflective film that is flexible and conformable.  |
| ✓ Superior Retroreflectivity                                  | = Provides excellent reflection even in poor visibility and bad weather conditions   |
| ✓ Conformable over corrugations and rivets                    | = Unlimited creative possibilities   |
| ✓ 7-year outdoor durability                                   | = Ideal for long-term outdoor use  |
| ✓ Exceptional impact-resistant and scratch-resistant surface  | = Optimal for fleet and vehicle markings<br>= Ideal for producing durable construction, street, directional and safety signage |
| ✓ 100% splice-free rolls, every time                          | = No production downtime and increased productivity  |
| ✓ 14 high-impact colors                                       | = Wide selection of vibrant reflective colors  |
| ✓ Solvent-based acrylic adhesive system                       | = Allows adhesion to a wider variety of surfaces   |
| ✓ Compatible with a wide selection of popular inkjet printers | = Unlimited creative possibilities   |

# ORALITE® Series 5600 Fleet Engineering Grade Reflective Film

## Description

Cast PVC reflective film that is weather resistant and self-adhesive. Series 5600 is flexible with excellent corrosion and solvent resistance. Available in 14 high-impact colors.

## Release Paper

89# PE-coated silicone paper

## Adhesive

Solvent polyacrylate, permanent, removable with heat

## Applications

Specially developed for vehicle graphics applications to produce reflective lettering, markings and decorations. Series 5600 is suitable for use on cutting plotters. Provides flexibility for application over corrugations and rivets. Compatible with solvent-based inkjet printers (white ONLY), eco-sol printers (white ONLY) and screen printing.

## Technical Data

<b>Thickness</b> (without protective paper and adhesive)	5 mil
<b>Temperature Resistance</b>	Adhered to aluminum, -58°F to +203°F, no variation
<b>Adhesive Power</b> (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 3.4 lb/in <sup>2</sup> , tear of the film
<b>Tensile Strength</b> (DIN EN ISO 527)	
Along	Min. 10 MPa
Across	Min. 10 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 Application Temperature</b>	+ 32°F
<b>Available Lengths</b>	50 yards and 10 yards
<b>Available Widths</b> (inches)	24, 30 (white ONLY), 48, 54 & 54RW (white ONLY), 60 (white ONLY), 15 (punched), 30 (punched)
<b>Minimum Life Expectancy</b> (based on accepted application procedures on vertical surfaces)	7 years

## 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 end-user, prior to use, should test the compatibility of selected lacquers and paints.

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.



# ORAGUARD® Series 200 Economy PVC Laminating Film

## Description

Soft, transparent, economy 2.5-mil PVC film with a UV prolongation factor of one year. Available in gloss, matte or semi-gloss finish.

## Release Paper

55# silicone-coated paper

## Adhesive

Clear, water-based, permanent adhesive

## Applications

An economy laminate for inexpensive protection of indoor and outdoor digital print applications. Also suitable for heat transfer and wet processing of electrostatic prints.

## Technical Data

<b>Thickness</b> (without protective paper and adhesive)	2.5 mil
<b>Temperature Resistance</b>	Adhered to aluminum, -40°F to +176°F, no variation
<b>Adhesive Power</b> (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 2.2 lb/in <sup>2</sup>
<b>Tensile Strength</b> (DIN EN ISO 527)	
Along	Min. 19 MPa
Across	Min. 19 MPa
<b>Elongation at Break</b> (DIN EN ISO 527)	
Along	Min. 130%
Across	Min. 150%
<b>Shelf Life</b> (68°C/50% relative humidity)	2 years
<b>Minimum Application Temperature</b>	50°F
<b>Available Lengths</b>	164' (50 meters)
<b>Available Widths</b> (inches)	30, 36, 40, 50, 54, 60
<b>Minimum Life Expectancy</b> (based on accepted application procedures on vertical surfaces)	2 years
<b>Extension Factor of UV Protection</b>	+1 year

## Attention

Due to the diversity of prints and printing techniques, the user should test the suitability of the laminating film for the specific print prior to use.

\*Allow 24 hours prior to laminating when using solvent, eco-solvent or mild-solvent ink systems.

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