

ORAGUARD® XP236 PVC-FREE LAMINATING FILM

Description

2.5-mil, highly transparent, economical PVC-free, polypropylene laminating film with good UV protection. Offers superior dimensional stability to reduce graphic shrinkage.

Available in a gloss finish.

Release Liner

55# silicone coated paper

Adhesive

Clear, water-based, permanent

Film Construction

Economical PVC-free, polypropylene film

Finish

Available in gloss.

Color

Highly transparent clear

Applications

For short- to medium-term, flat indoor and outdoor protection of digitally printed general signage, decals, and POP/exhibit graphics.

Durability

3 years

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.

Benefits of Using a Protective Over-Laminate

1. **Enhanced Installation:** The over-laminate adds structure and stability to digitally printed graphics, improving installation by reducing wrinkles and bubbles for a smoother application process.
2. **Increased Ink Lifespan:** By providing extra protection against UV rays, the over-laminate extends the lifespan of printed inks, preserving colors and preventing fading over time.
3. **Customizable Appearance:** The over-laminate allows for a tailored final appearance of the printed graphic, offering options such as uniform gloss, semi-gloss, or matte finishes. Semi-gloss and matte finishes also reduce glare, enhancing visibility and readability of the graphic.

Additionally, protective over-laminate provides a degree of protection against abrasion, ensuring the longevity and durability of the printed graphic in high-traffic areas or environments prone to wear and tear.



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
Oakville, Ontario L6H 6X5
Phone: 888.727.3374

Technical Data

Thickness (without liner and adhesive)	2.5 mil
Temperature Resistance	Adhered to aluminum, -40°F to +176°F, no variation
Resistance to solvents and chemicals	At room temperature, 72 hours after adhesion to aluminum, resistant to water, cleaning agents, alcohol and aliphatic solvents
Fire Behavior (DIN 75200) Fire Rating	Meets ASTM E 84-07 Class "A" Adhered to steel, self-extinguishing
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 2.74 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 20 MPa Across: Min. 20 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 300% Across: Min. 350%
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	3 years
Minimum Application Temperature	50°F
Available Lengths	150' (50-yard)
Available Widths	54"
Recommended to be used in combination with	ORAJET® 3174, 1917, 3640, 3641, 3620, 3621, 3164, 3164RA, 3164XRA, 3164HT, 3628
UV Protection Extension Factor	+1 year

For best results, utilize ORAFOL ICC profiles available at www.orafolamericas.com and allow solvent-based inks to dry for at least 24 hours (48-72 hours preferred) at 70°F before cutting the graphic to the ink or applying a laminate.

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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Technical Datasheet

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IMPORTANT NOTICE

All ORAGUARD® 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 ORAGUARD® 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 ORAGUARD® 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



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