

# ORAJET® 3169RA INTERMEDIATE REMOVABLE CALENDERED DIGITAL MEDIA WITH RAPIDAIR® TECHNOLOGY

Technical Datasheet  
05/24  
Page 1 of 3

## Description

Intermediate (Medium-Term) Removable, Calendered Digital Print Media with RapidAir® Adhesive Technology

A versatile digital print media designed for a multitude of indoor and outdoor applications requiring clean removability from the application surface. With the specially formulated 4-mil blended-PVC construction and a dependable removable solvent-based air-egress adhesive system, it's the perfect solution for Window, Wall, and Floor graphic applications. The ORAFOL RapidAir® air-egress adhesive technology facilitates faster, bubble-free graphic applications.

Compatible with today's most popular ink systems: solvent, eco-solvent, latex, and UV curable - users can experience ORAJET® printability advantages with consistent, high-quality digital print production! ORAJET® 3169RA is included in the ORAFOL® ([OCS](#)) [ORALIFE™ Component System Warranty](#)! If over-laminate is required for additional UV and graphic abrasion protection pair it with ORAGUARD® 210 or 215.

## Release Liner

88# PE-coated silicone paper featuring advanced air release technology to facilitate quicker, easier application

## Adhesive

Grey, Solvent-Based Removable with RapidAir®

## Removability

Achieve clean residue-free removals within 3 years of initial application from most smooth, sealed application surfaces. After 3 years, the material will begin to become more permanent to the application surface, and the assistance of heat may be needed to assist with graphic removal.

- No heat is required when removals occur at temperatures >60°F.
- Assistance with heat may be required when temperatures are <60°F.

## Applications

- Flat, short – to medium-term applications requiring clean removability
- Bubble-Free, Easy to install & Easy to remove!
  - medium-term outdoor general signage
  - architectural window graphics
  - long-term indoor general signage
  - removable wall graphics and murals
  - floor graphics (*pair with ORAGUARD® 250AS*)
  - bumper stickers & decals
- Not designed for vehicle or trailer wrapping

## Recommended Laminates

- ORAGUARD® 210 (outdoor printed durability - up to 4 years)
- ORAGUARD® 215 (outdoor printed durability - up to 5 years)
- ORAGUARD® 215DU (outdoor printed durability – up to 5 years)
- ORAGUARD® 250AS (anti-skid, textured floor laminate)
- ORAGUARD® 255AS (anti-skid, textured floor laminate)

## Printability/Ink Compatibility

Latex, Solvent, Eco-Solvent, UV Curable, UV-Gel, and Screen Printing. [Click Here](#) to view ORAFOL ICC Profiles.



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  
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# **ORAJET® 3169RA**

## **INTERMEDIATE REMOVABLE CALENDERED**

### **DIGITAL MEDIA WITH *RAPIDAIR*® TECHNOLOGY**

#### **Splice Free Guarantee**

Our Splice Free Guarantee assures you that every roll of ORAJET® digital print media 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 printing 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, <.016"
<b>Temperature Resistance</b>	Adhered to aluminum, -40°F to +176°F, no variation
<b>Fire Behavior</b> (DIN 75200) <b>Fire Rating</b>	Adhered to steel, self-extinguishing Meets ASTM E 84-07 Class "A"
<b>Adhesive Power</b> (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 1.8 lb/in
<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>Seawaterability</b> (DIN 50 021)	Adhered to aluminum, after 100h/73°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)	5 years (unprinted)
<b>Minimum Application Temperature</b>	46°F
<b>Available Lengths</b> <b>Available Widths</b>	150' (50-yard) 54", 60"
<b>Recommended Laminates</b>	ORAGUARD® Series 210, 215, 215DU, 250AS, 255AS
<b>Print Compatibility</b>	Latex, Solvent, Eco-Solvent, UV Curable, UV-Gel

For best results, utilize ORAFOL ICC profiles available at [www.orafolamericas.com](http://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.



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Page 3 of 3

### **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 ORAJET® 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 ORAJET® 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 ORAJET® 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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