

# ORAJET® 3651RA INTERMEDIATE CALENDERED PVC DIGITAL MEDIA WITH RAPIDAIR® TECHNOLOGY

Technical Datasheet  
10/19  
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## Description

2.75-mil, blended polymeric PVC film with a white gloss surface and RapidAir® Technology

## Release Liner

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

## Adhesive

Grey, solvent-based, permanent adhesive

## Area of Use

For general signage and other short and medium-term, flat, indoor and outdoor applications. **NOT for vehicle wraps.**

## Technical Data

<b>Thickness</b> (without liner and adhesive)	2.75-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 ASTM E 84-07 Class "A"
<b>Adhesive Power</b> (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 3.65 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) 50", 54", 60"
<b>Recommended Laminates</b>	ORAGUARD® Series 210, 215
<b>Print Compatibility</b>	Latex, Solvent, Eco-Solvent, UV Curable

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.

## 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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## Characterization according to REACH Regulation

The product is an article within the meaning of the Regulation (EC) No 1907/2006 (REACH) Article 3.

## Hazards Identification

This product is not a hazardous substance or hazardous mixture according to the German Regulation "Gefahrstoffverordnung" or the European Regulation (EC) no. 1272/2008 (CLP Regulation) or the Globally Harmonized System of Classification and Labelling of Chemicals (GHS). No hazards are expected, if the material is used as described in the respective Technical Data Sheet and Processing and Handling Instructions. When used as intended, our products do not release any substances expectedly or intentionally.<sup>1</sup>

## SVHC / REACH

Based on our supplier's declarations we can confirm that this product does neither contain any substances in a concentration greater than 0.1 weight-% listed in the Candidate List of Substances of Very High Concern (SVHC) published by the European Chemical Agency (ECHA) (<https://echa.europa.eu/candidate-list-table>, last updated on 17/01/2023) nor substances listed in Annex XIV of Regulation (EC) no. 1907/2006.

## RoHS

The product does not contain any substances in a concentration above the maximum permitted concentrations defined in Annex 2 of the Directive 2011/65/EU ("RoHS 3", last amended by (EU) 2021/1980).

## ODS

According to the Regulation (EC) no. 1005/2009, the product does not contain the therein-listed substances, which deplete the ozone layer.

## Packaging Material

Packaging materials used by ORAFOL for packing its products fulfil the requirements of the Regulation 94/62/EC and the German Regulation on prevention and recycling of packaging waste (VerpackV).

## Disposal of wastes

In Germany and in the EU, the product can be disposed of as household-type industrial waste (EU waste code number 20 03 01) if there are no other local or regional disposal rules. Otherwise, the disposal regulations of each country must be followed. Please ask your local waste disposal company, if siliconized release paper can be used for paper recycling. In case of disposal of larger amounts of PVC, please check possibilities of PVC recycling options in your country. Thermal recycling of PVC is only allowed in designated incineration plants with appropriate flue gas cleaning system. Disposal of PVC in landfills is prohibited in several EU-countries and should be avoided in any other country.

## Basis of Evaluation

The component-related statements in this document are based on the components and additives, which are used in the formulation of the product. These statements refer to the current condition of the product when leaving the factory site of ORAFOL Europe GmbH in Oranienburg. The information is based on our current knowledge and practical experience and relies further on the respective safety data sheets and declarations provided by the raw material producer or supplier. It cannot be excluded that minor traces are present in the product due to technically unavoidable contaminations of single raw material components. Routine analyses of our products concerning the content of such substances are not carried out. No guarantee and liability can be assumed for factors beyond our knowledge and control. It is the responsibility of the user to assess its product uses and applications and assure compliance to all applicable laws and regulations.

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<sup>1</sup> The Technical Data Sheet and the Processing and Handling Instructions for this product can be downloaded from [www.orafol.com](http://www.orafol.com).