

ORACAL® 751RA HIGH PERFORMANCE CAST FILM WITH RAPIDAIR® TECHNOLOGY

Technical Datasheet
11/2021
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Description

2-mil high-performance PVC film with excellent dimensional stability, offering optimized cutting, weeding, and application properties. Achieve exceptional air-egress liner adhesion with standard medium to high-tack application tapes. Available in 12 gloss and metallic colors.

Release Liner

89# silicone coated paper featuring *RapidAir*® to facilitate quicker, easier application.

Adhesive

Clear, solvent-based, permanent adhesive

Area of Use

Ideal for larger format lettering, striping, and decorative applications. Particularly suitable for high quality corporate identity, commercial window, bus, RV, riveted box truck and trailer applications.

Technical Data

Thickness (without liner and adhesive)	2-mil
Dimensional Stability (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.006"
Temperature Resistance	Adhered to aluminum, -58°F to +230°F, no variation
Fire Behavior (DIN 75200) Fire Rating	Adhered to steel, self-extinguishing ASTM E 84-07 Class "A"
Adhesive Power (FINAT TM-1, after 24 h, average)	Adhered to stainless steel: 4.1 lb/in
Tensile Strength (DIN EN ISO 527)	Along: Min. 19 MPa Across: Min. 19 MPa
Elongation at Break (DIN EN ISO 527)	Along: Min. 120% Across: Min. 120%
Seawaterability (DIN 50 021)	Adhered to aluminum, after 100h/73°F, no variation
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Life Expectancy (based on accepted application procedures on vertical surfaces)	8 years (Black & White), 7 years (Colors), 5 years (Metallic), 3 years (New Gold Metallic)
Minimum Application Temperature	46°F (dry application)
Available Lengths Available Widths	150' (50 yard) and 30' (10 yard) 24" & 48"
Recommended Application Tapes	ORATAPE® Series HT55, MT95, MT72, MT80P

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 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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