

ORAMASK® 810S STENCIL FILM

Technical Datasheet
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Release Liner

84# silicone-coated paper

Adhesive

Clear, solvent-based, low-tack, removable adhesive

Film Construction

3-mil, highly flexible, transparent dark grey PVC Film with a matte surface

Color and Finish

Available in transparent dark grey with a matte finish

Applications

- Conformable paint stencil applications
- For paint and spray techniques on complex curves, uneven or semi-flexible substrates, and surfaces requiring transparency of the paint mask for substrate visibility
- Great for back spraying illuminated sign faces, various automotive, aerospace, and industrial equipment
- Suitable for wet applications to smooth sealed surfaces
- Remove the stencil film before baking for liquid paints that require chemical curing
- Users should always test their painting process to ensure stencil films are compatible
 - Stencil films may leave adhesive residue behind if left on a freshly painted or porous surface for too long

Compatible Application Tapes

- ORATAPE HT55 (*paper*)
- ORATAPE MT95 (*clear conformable*)
- ORATAPE MT72 (*semi-transparent conformable*)

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.



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Technical Data

Thickness (without liner and adhesive)	3-mil
Dimensional Stability (FINAT TM-14)	Adhered to steel, no shrinkage in cross direction; In length, <.016"
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: 0.23 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. 130% Across: Min. 150%
Shelf Life (68°F/50% relative humidity)	2 years
Minimum Application Temperature	46°F
Available Lengths Available Widths	150' (50 yard) 15" (punched), 24", 30", 48", 60"
Recommended Application Tapes	ORATAPE® HT55, MT95, MT72

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 ORAMASK® 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 ORAMASK® 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 ORAMASK® 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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