

Description

3-mil, high performance, anti-dew film with a unique coating that prevents the formation of water droplets on its surface.

Release Liner

4-mil, PET, silicone coated on one side

Adhesive

Clear, solvent polyacrylate, permanent adhesive

Area of Use

ORALITE® 5090 ANTI-DEW FILM performs best on all ORALITE® sheeting, unprinted or printed with ORALITE® inks. ORALITE® 5090 is supplied with a thin, transparent, protective layer that **MUST** be removed. Please wash this protective layer off by utilizing clean water and a soft cloth or sponge after production of the road sign. Do not scratch the film or contaminate with silicones or grease. Please refer to the Practical Information 4.3 and 4.4 published by ORAFOL for full instructions or contact your ORAFOL Reflective Solutions Division representative with any questions.

Recommended for use with ORALITE® 5800/5810 High Intensity Grade, ORALITE® 5900/5910 High Intensity Prismatic Grade and ORALITE® 6900/6910 Brilliant Grade. When ORALITE® 5090 film is used on road signs of any traffic color, they will comply with ASTM D 4956.

Technical Data

Thickness* (without protective paper and adhesive)	3-mil
Dimensional Stability	Applied on steel, no measureable shrinking cross direction, in length direction 4-mil
Temperature resistance	Adhered to aluminum, -68°F to +180°F
Resistance to cleaning agents	Adhered to aluminum, 8h in solution (0.5% household cleaning agents) at room temperature and 149°F, no variation
Adhesive power* (FINAT-TM 1 after 24h, stainless steel)	4.11 lb/in (film tear)
Shelf life**	2 years
Application temperature	>50°F
Minimum Life Expectancy*** (based on accepted application procedures on vertical surfaces)	5 years anti-dew functionality and the same lifetime as the reflective sheeting on which it is applied
Available Lengths	150' (50-yard)
Available Widths (in inches)	48"

* average ** in original packaging, at 68° F and 50% relative humidity

*** standard central European climate

Note:

All ORALITE® products are manufactured within an ISO 9001:2008 controlled manufacturing environment and batch traceability is possible on the basis of the roll number.

IMPORTANT NOTICE

When using ORALITE® sheeting, please comply with relevant national specifications. ORAFOL recommends obtaining the current requirements from your local authority and ensure product conformance with such requirements. Please contact ORAFOL for further information.

All ORALITE® 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 ORALITE® 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 ORALITE® 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.

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 allowed to dry for at least three weeks and to completely cure respectively. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. The self-adhesive reflective material can only be used for dry application. The low tensile strength of the material can make the removability of the reflective film more difficult. Please review applicable application information published by ORAFOL.



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No warranty is given for purposes other than those listed in the Technical Datasheet or which are not processed according to ORAFOL's processing and handling instructions. The durability of the signs will depend on a variety of factors, including but not limited to substrate selection and preparation, compliance with recommended application guidelines, geographic area, exposure conditions and maintenance of the product and finished sign. Sign failures caused by the substrate or improper surface preparations are not the responsibility of ORAFOL. Please refer to the full warranty document available at www.orafolamericas.com for detailed information.

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

ORALITE® is a trademark of ORAFOL Europe GmbH.



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