

## Product Description

Series ORALITE® 5097 Astifol® Anti-Sticker Films is a clear, high-performance film with a dirt and adhesive repellent surface. The patented and unique combination of dirt-repellent polymer and structured surface ensures protection of traffic and information signs against stickers or vandalism for its entire lifetime. After application of ORALITE® 5097 Astifol® Anti-Sticker Film on ORALITE® reflective films approved with this laminate, all specifications for colour and retro reflectivity are still met. Additionally, digital prints are protected from premature bleaching. Applied stickers or graffiti might be removed by next exposure to rain or can simply be wiped off. Persistent contaminations might be removed with ORAFOL's sticker and graffiti-remover (article name: ORALITE® 5097REM) or an isopropanol-water mixture.

## Adhesive

The adhesive consists of a solvent polyacrylate, permanent pressure sensitive adhesive specially formulated for the application to ORALITE® sheeting surfaces, including digital and UV digital printed surfaces. The adhesive is protected by a release liner made of PET, silicone coated on one side.

## Application/Processing

ORALITE® 5097 Astifol Anti-Sticker Film performs best on ORALITE® sheeting, unprinted or printed with ORALITE® inks 5018 Screen Printing Ink or 5019i Digital Printing Ink. The surfaces to which the material will be applied must be completely dry, thoroughly cleaned from dust contamination which could affect the adhesion of the material. Freshly printed surfaces should be completely cured. The compatibility of selected inks and surfaces should be tested by the user, prior to application of the material. For other applications the user is fully responsible for evaluating the suitability of the product, and for any risks associated with that use.

**Note:** All ORALITE® products are manufactured within an ISO 9001:2015 controlled manufacturing environment and batch traceability is possible based on the roll number.

## Product Data

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| <b>Thickness*</b> (without protective paper)  | 0.18 mm  |
| <b>Dimensional stability</b>  | applied on steel, no measurable shrinking in cross direction, in length direction 0.1 mm (0.0039 in)                       |
| <b>Temperature resistance</b>   | adhered to aluminium, -56° C to 90° C (-69° F to 194° F)   |
| <b>Resistance to cleaning agents</b>  | adhered to aluminium, 8h in solution (0.5% household cleaning agents) at room temperature and 65° C (150° F), no variation |
| <b>Adhesive power*</b> (FINAT-TM1 after 24h, stainless steel)                       | 15 N/25 mm (1 inch) (film tear)  |
| <b>Shelf life**</b>   | 2 years  |
| <b>Application temperature</b>  | > +10° C (50° F)   |
| <b>Service life by specialist application***</b><br>under vertical outdoor exposure | Laminates are expected to provide the same lifetime as the reflective sheeting onto which it is applied.                   |

\* average

\*\* in original packaging, at 20° C and 50% relative humidity

\*\*\*standard central European climate

**Note:** Values stated in SI units are to be regarded as standard. The values in parentheses are conversions and shall not be considered as the standard, as these values maybe approximate.

## IMPORTANT NOTICE

When using ORALITE® sheeting the relevant national specifications have to be complied with. ORAFOL recommends you obtain 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.

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.orafol.com](http://www.orafol.com) for detailed information.

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