ORALITE® 5019
UV Digital Printing Ink

Product Description

ORALITE® 5019 UV Digital Printing Ink is designed for use with the ORALITE® UV Traffic Sign Printer. The product works best when used in combination with the following ORALITE® reflective films:

- ORALITE® 5700 Engineer Grade Premium
- ORALITE® 5710 Engineer Grade Premium
- ORALITE® 5800 High Intensity Grade
- ORALITE® 5810 High Intensity Grade
- ORALITE® 5900 High Intensity Prismatic Grade
- ORALITE® 5910 High Intensity Prismatic Grade (CE Certified under ETA No. 12/0478)
- ORALITE® 5930 Prismatic Construction Grade
- ORALITE® 5960 High Intensity Prismatic Construction Grade
- ORALITE® 6900 Brilliant Grade
- ORALITE® 6910 Brilliant Grade

The printed material shall be laminated with a suitable ORALITE® Transparent Film in order to achieve a smooth finish and optimum durability.

Colour

When using ORALITE® 5019 UV Digital Printing Ink and the recommended materials and settings, printed signs will meet the specifications for colour and luminance of their class according to EN12899-1 and DIN 6171-1. The following colours are available:
- ORALITE® UV Digital Printing Ink 5019-020 yellow
- ORALITE® UV Digital Printing Ink 5019-030 red
- ORALITE® UV Digital Printing Ink 5019-050 blue
- ORALITE® UV Digital Printing Ink 5019-060 green
- ORALITE® UV Digital Printing Ink 5019-080 brown
- ORALITE® UV Digital Printing Ink 5019-070 black (opaque)

Product Handling and Processing

Safety	Please refer to the Material Safety Data Sheets (MSDS) for detailed information and safety relevant facts.
Storage	Closed containers should be stored in a light tight box under the following conditions: 15 - 26° C / 59 - 79° F; 40 - 60% rel. humidity. Minimum shelf life is 6 months.
Printing	To meet the European and international minimum reflectance values and colours, the transparent UV digital printing ink colours must be printed on white (010) sheeting only. Black ink may be used with other base sheeting colours. It is also necessary to choose the correct printing profiles during the pre-production for each reflective film.
	The ORALITE® 5019 UV Digital Printing Inks can only be used with the ORALITE® UV Traffic Sign Printer with suitable RIP software and colour profiles supplied by ORAFOL.
Lamination	The recommended overlay films are listed hereunder. Selection of these is dependent on the base reflective sheeting used and the final performance and durability level required. Please refer to the overlay film datasheets and application instructions 4.3 and 4.4 published by ORAFOL for further information or contact an ORAFOL representative.

Recommended overlay films:

• ORALITE® 5051 Transparent Film
• ORALITE® 5061 Transparent Film
• ORALITE® 5062 Transparent Film
• ORALITE® 5090 Anti Dew Film
• ORALITE® 5095 Anti Graffiti Film

The statements in this information sheet are based upon our knowledge and practical experience. This data is intended only as a source of information and is given without guarantee and does not constitute a warranty. Due to the wide variety of possible uses and applications customers should independently determine the suitability of this material for their specific purpose, prior to use.

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 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. Furthermore, the application information for both ORALITE® Reflective Films and Digital Printing Materials published by ORAFOL are to be considered.

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 for detailed information.

ORALITE® is a trademark of ORAFOL Europe GmbH.