

Description

ORALITE® 5017 Eco Solvent Digital Printing Ink is a durable, quick-drying inkjet ink developed specially for producing traffic signs. It has been designed for use with the ORALITE® ECO Traffic Printer to achieve the specified standard colors and reflectivity values for traffic signage.

ORALITE® 5017 Eco Solvent Digital Printing Ink works best when used in combination with the following ORALITE® reflective films:

- ORALITE® 5500 Engineer Grade
- ORALITE® 5700 Engineer Grade Premium
- ORALITE® 5800 High Intensity Grade
- ORALITE® 5900 High Intensity Prismatic Grade
- ORALITE® 5930 Prismatic Construction Grade
- ORALITE® 6900 Brilliant Grade
- ORALITE® 7900 Wide Observation Angle Prismatic
- ORALITE® 9900 Brilliant Grade Premium

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

Recommended laminating films:

- ORALITE® 5061 Transparent Film
- ORALITE® 5090 Anti Dew Film
- ORALITE® 5095 Anti Graffiti Film

Color

When using ORALITE® 5017 Eco Solvent Digital Printing Ink and the recommended materials and settings, printed signs will meet the specifications for color and luminance of their class according to ASTM D4956 and AASHTO M268. The following ink colors are available:

- ORALITE® 5017 Printing Ink R (slot 1 – item 3592004165)
- ORALITE® 5017 Printing Ink C (slot 2 – item 3592004162 / Slot 4 – Item 3592004167)
- ORALITE® 5017 Printing Ink M (slot 6 – item 3592004163 / Slot 7 – item 3592004183)
- ORALITE® 5017 Printing Ink Y (slot 3 – item 3592004166 / Slot 5 – item 3592004182)
- ORALITE® 5017 Printing Ink K (slot 8 – item 3592004164) (adjusted for partial opacity)
- ORALITE® 5017 Cleaning Solution (item 3592004168)

Product Handling and Processing

Storage and shelf life The ink containers have to be stored in a dry indoor area at temperatures between 60°F and 80°F. Shelf life is 18 months. The expiration date is indicated on the ink bag and the packaging.

Printing To meet the minimum reflectance values and colors, the ink colors must be printed on white (010) sheeting only. Black ink may be used with other base sheeting colors. It is also necessary to choose the correct printing profiles during the pre-production for each reflective film.

ORALITE® 5017 Eco Solvent Digital Printing Inks must be used only on an ORALITE® ECO Solvent Traffic Printer with the corresponding RIP software, the respective ORAFOL color profiles and ORAFOL color substitutions.

Drying For pressure heating, we recommend a temperature range of 95–110°F. The subsequent drying on the Roland DU-3 drying extension is always carried out at 130°F.

For detailed information, please refer to the application recommendations for the ORALITE® ECO Traffic Printer, which you will receive from your ORAFOL dealer. After printing and before lamination, we recommend storage for a minimum of four hours, depending on the film used.

Laminating The choice of protective film depends on the reflective film used, the performance properties expected and the durability required. For further details, please refer to the data sheets and instructions on use published by ORAFOL or contact your ORAFOL representative.



ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374

reflective-americas@orafol.com

www.orafol.com

Product Handling and Processing (continued)

Safety Safety data sheets are available containing information about all safety-related data and labeling procedures in accordance with the current specifications for hazardous materials and the EU specifications. Please refer to the product page at www.orafol.com for detailed information.

Note:

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

IMPORTANT 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 Warranty document published by ORAFOL for detailed information.

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.



WARNING – This product may expose you to chemicals which are known in the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to – www.P65Warnings.ca.gov

ORALITE® is a trademark of ORAFOL Europe GmbH



ORAFOL Americas – GA
1100 Oracal Parkway
Black Creek, GA 31308
Phone: 888.672.2251

reflective-americas@orafol.com

ORAFOL Americas – CT
120 Darling Drive
Avon, CT 06001
Phone: 800.654.7570

www.orafol.com

ORAFOL Canada
2831 Bristol Circle
Oakville, Ontario L6H 6X5
Phone: 888.727.3374