

## Product 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 and is compatible with many ORALITE® reflective films. Unlike commercially available standard inks, this ink reliably achieves the specified standard colours and reflection values for traffic paints.

The product range of films for printing includes ORALITE® reflective films for temporary or permanent traffic signs. In addition to traffic colours, these can also be used to create multicoloured graphic images. Your ORAFOL dealer will supply you with the required printing environments, including colour substitutions.

The printed material needs to be laminated with ORALITE® 5061 Transparent Film to obtain optimal durability. Road signs produced in this way with approved ORALITE films meet the specifications for colour and luminance for reflective materials of their class according to EN12899-1, DIN 67520 and DIN 6171.

## Colours

Eight different ink cartridges are required to equip the ORALITE ECO Traffic Printer:

- ORALITE® 5017 Printing Ink R (slot 1 – item 2004165)
- ORALITE® 5017 Printing Ink C (slot 2 – item 2004162 / Slot 4 – Item 2004167)
- ORALITE® 5017 Printing Ink M (slot 6 – item 2004163 / slot 7 – item 2004183)
- ORALITE® 5017 Printing Ink Y (slot 3 – item 2004166 / Slot 5 – Item 2004182)
- ORALITE® 5017 Printing Ink K (adjusted for partial opacity) (slot 8 – item 2004164)

## Storage and shelf life

The shelf life of an unopened ink container when stored at a temperature of 15–25 °C and a relative humidity of 30–60% is 18 months, the relevant date is indicated on the ink bag and the packaging.

Containers must be kept tightly closed. Protect the product from direct heat and sunlight. Do not store the product together with metals, amines, radical initiators and oxidising agents.

The above ambient temperature may only be undershot or exceeded once for a maximum of 2–3 days. Other conditions, especially different storage temperatures, reduce the shelf life. In such cases, the warranties granted by the ink manufacturer expire.

## Safety instructions

For detailed information and safety instructions, please refer to the ORALITE® 5017 ECO Solvent Digital Printing Ink safety data sheets on our website.

## Notes on the production of traffic signs

In order to comply with the European and international minimum standards for reflectivity and colours, transparent digital printing inks may only be used on white (010) films.

ORALITE® 5017 Digital Printing Inks must be used only on an ORALITE® Eco Traffic Printer with the corresponding RIP software and the printing environments including ORAFOL colour substitutions.

## Drying

For pressure heating, we recommend a temperature range of 35–45 °C. The subsequent drying on the Roland DU-3 drying extension is always carried out at 55 °C. 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 four hours, depending on the film used.

### IMPORTANT NOTICE

All ORAFOL products are subjected to meticulous quality testing throughout the entire production process and they are guaranteed to be supplied in customary commercial quality and without production defects. The published information is based on our analyses and investigations and does not constitute warranted characteristics or a quality agreement. Because ORAFOL products can be used in a variety of ways and because new applications are constantly being developed, purchasers should carefully consider the suitability and performance of the product for the respective use and bear all risks associated with such use. No warranty is accepted for purposes other than those listed in the technical data sheet or for applications that are not processed in accordance with ORAFOL's processing instructions.

The shelf life of the finished product depends on a variety of factors, including but not limited to substrate selection and preparation, compliance with recommended use guidelines, geographical area, exposure conditions and maintenance of the ORAFOL material and finished product. Product defects caused by the substrate or improper surface preparation are not the responsibility of ORAFOL.

Always observe the applicable national regulations when using ORAFOL products. ORAFOL recommends that you obtain the currently valid specifications from your local authority and to ensure that the product complies with these. Please contact ORAFOL for more information.

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