TECHNICAL
DATA SHEET
KEY FACTS



ECO SOLVENT · SVHC FREE · GBL FREE · CMR FREE · BPA FREE

MARA® JET DI-XE.

RELIABLE PLUG & PRINT SOLUTION FOR BEST RESULTS

Properties

- Solvent-based inkjet ink for advertising and graphic applications
- Excellent adhesion, high print stability, fast drying, and high-quality pigmentation
- Available in 1 L bottles

Substrates

- PVC self-adhesive films (monomeric, polymeric, and cast films), Soft PVC tarpaulin material
- Paper

Industry solution for

- Graphics and signage

Compatible printers / printheads

Printers operating with the Roland D-EA ink configuration:
- Roland ER 641
- Roland ER 642

Printhead:
- Epson i3200-U1

Auxiliaries

DI-UR 5 | Cleaner

Drying

- **Drying parameters** see user manual
- Recommended temperature range for the entire printing process 35 °C to 45 °C

Ink change-over

Switch & Print / full compatibility in chemistry and color shade; no flushing required:
Switching from the OEM ink to Mara® Jet DI-XE does not require any preliminary or additional machine cleaning. Ink cartridges can be replaced individually as needed or as a complete set.

Switch & Swap / flushing required:
Please note: When switching from a third-party supplier, a cleaning step should be carried out using the third-party supplier's cleaner, followed by cleaning with DI-UR 5. Replacing the filters (dampers) is generally recommended, as well as checking whether any further spare parts need to be replaced.

Marabu

MARA® JET DI-XE.

RELIABLE PLUG & PRINT SOLUTION FOR BEST RESULTS

Properties

- Solvent-based inkjet ink for advertising and graphic applications
- Excellent adhesion, high print stability, fast drying, and high-quality pigmentation
- Available in 1 L bottles

Substrates

- PVC self-adhesive films (monomeric, polymeric, and cast films), Soft PVC tarpaulin material
- Paper

As substrates can vary even within the same material class, preliminary testing under real application conditions and for the intended use is essential.

Industry solution for

- Graphics and signage

Compatible printers / printheads

Printers operating with the Roland D-EA ink configuration:
- Roland ER 641
- Roland ER 642

Printhead:
- Epson i3200-U1

Drying

The drying parameters can be found in the user manual of the printer. The settings may be adjusted according to the substrate quality and ink deposit. For preheating, print heating, and subsequent drying, we recommend a temperature range of 35 °C to 45 °C.

Fade resistance

Pigments of high fade resistance are used which enable a 2-year vertical outdoor exposure, refered to the middle European climate and suitable substrates.
For fleet markings (e. g. vehicle advertising), an additional lamination or coating is required for mechanical protection.

Range

Basic Shades
429 Yellow
438 Magenta
459 Cyan
489 Black

Auxiliaries

DI-UR 5 | Cleaner

DI-UR 5: is used for rinsing/cleaning or short-term soaking of printheads and other ink-carrying components (e. g. after extended machine downtime) and is chemically adjusted to the ink formulation. Formulated without the use of gamma-butyrolactone (GBL) or raw materials classified as CMR substances according to CLP.

We recommend running cleaning cycles at the start and end of production and cleaning the nozzle plates weekly.

Shelf life

The shelf life for an unopened ink container if stored in a dark room at a temperature of 15-25 °C is:

- 2 years for all inks

The ambient temperature may fall below this value only once for max. 2-3 days. Under different conditions, particularly other storage temperatures, the shelf life will be reduced. In such cases, the warranty given by Marabu expires.

Ink change-over

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Maintenance

For smooth production, always follow the guidelines provided by Marabu and the machine manufacturer. We recommend replacing ink filters annually and performing regular maintenance and service intervals.

Labeling

For Mara® Jet DI-XE and its auxiliaries, there are current Material Safety Data Sheets available according to EC regulation 1907/2006, informing in detail about all relevant safety data including labelling according to EC regulation 1272/2008 (CLP regulation). Such health and safety data may also be derived from the respective label.

Safety guidelines for solvent-based printing inks
Solvent-based inks contain substances that may irritate the skin. Therefore, take utmost care when working with solvent-based printing inks. Contaminated skin areas must be cleaned immediately with water and soap. Please follow the instructions on the labels and in the safety data sheets.

Note

All statements made here refer exclusively to standard color shades. For custom inks, the described features may deviate. For comprehensive legal information regarding the use of our products, please refer to our General Terms and Conditions (GTC) at www.marabu.com.

In the event of any queries, please contact:

Technical Hotline
Tel.: +49 7141 691 140
technical.hotline@marabu.com