

**Solvent-based inkjet ink for PVC self-adhesive foils and PVC tarpaulin materials**

**Good adhesion and resistances, fast drying, and high-quality pigmentation, nickel-free yellow**

Vers. 5  
2026  
15. Apr

## Field of Application

### Substrates

The Mara® Jet DI-SX substrate range includes

- different qualities of PVC self-adhesive foils (monomeric, polymeric and cast PVC films)
- other PVC coated materials and tarpaulins
- textiles
- suitable papers

Since substrates can vary in printability even within the same type, preliminary tests for the intended application are indispensable.

### Field of use

**Compatible printers / printheads**

#### Roland

- Soljet Pro4
- Soljet XR-640
- Soljet XF-640
- Soljet EJ-640 (Profilierung notwendig)
- VersaCAMM Vsi series
- Versa EXPRESS RF-640

#### Epson

- DX5
- DX6
- DX7

## Characteristics

### Drying

No changes to the drying parameters are required. However, adjustments may be necessary depending on substrate quality and ink deposit. For preheating, print heating, and drying, we recommend a temperature range of 35-45 °C.

### Fade resistance

Pigments of high fade resistance are used which enable a 2-year vertical outdoor exposure, referred 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
434	Light Magenta
438	Magenta
455	Light Cyan
459	Cyan
485	Light Black
489	Black

### Further Products

170	White
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## Auxiliaries

DI-UR 2 Cleaner

DI-UR 2 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.

We recommend cleaning cycles at the start and end of production, as well as weekly cleaning of the nozzle plate.

## Shelf Life

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

- 1 year for the color shade 170
- 2 years for all other 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 is reduced. In such cases, the warranty given by Marabu expires.

## Change-over

**Switch & Print** / full compatibility in chemistry and color shade; no flushing required:  
Switching from the Roland EcoSolMax2 to Mara® Jet DI-SX does not require any preliminary or additional machine cleaning. Ink cartridges can be replaced individually as needed or as a complete set.

When machines in Roland EcoSolMax3 configuration (only in Europe) are converted, an ink discharge using the "Pump up" option is required before the machine can be refilled with DI-SX.

**Switch & Swap** / flushing required:  
Please note: When switching from a third-party supplier, an (additional) cleaning step should be carried out using the third-party supplier's cleaner, followed by cleaning with DI-UR 2. Replacing the filters (dampers) is generally recommended, as well as checking whether any further spare parts need to be replaced.

## Note

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their use. This is not meant as an assurance for certain properties of the products nor their suitability for each application. You are, therefore, obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The foregoing information is based on our experience and should not be used for specification purposes. All characteristics described in this Technical Data Sheet refer exclusively to the standard products listed under "Range",

provided that they are processed in accordance with their intended use and only when used with the recommended auxiliaries. The selection and testing of the ink for specific applications is exclusively your responsibility. Should, however, any liability claims arise, they shall be limited to the value of the goods delivered by us and utilised by you with respect to any and all damages not caused intentionally or by gross negligence.

### Recommendation

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.

### Labelling

For Mara® Jet DI-SX 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.

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