

Technical Data Sheet



Mara® Jet DI-E

Mara® Jet DI-E is an eco-solvent inkjet ink, especially developed for printers of any brand, which are employing Epson printheads. Suitable for graphic applications.



Key features

- High quality pigmentation
- Safe ink formulation
- Fast printing speeds up to 1 Pass
- Available in 1L bottles
- 2 Types of Magenta shades:
Regular and warm Magenta for strong reds!
- Best machine compatibility and maintenance friendliness.
- 2 Years outdoor resistance (DIN EN 4892-2)
- [Sustainability & Commitment:](#)

Field of use

Mara® Jet DI-E is suitable for any printer operating these Printheads:

Epson:

- i3200
- i1600
- DX10
- DX7
- DX6
- DX5
- XP600

Field of application

Substrates

Mara® Jet DI-E substrate range includes:

- Self-adhesive foils (monomeric, polymeric, and cast PVC-films)
- Banner and mesh material
- Suitable papers
- Banners

Ink properties

Characteristics	DI-E
Resistance	++
Pigmentation	++
Printing stability	+++
Machine compatibility	+++



Drying

The drying parameters should be set according to the printer user manual. The settings may be adjusted according to the substrate quality and thickness of the material. For preheating, print heating, and drying, we recommend to work in the temperature range of 35 - 45 °C.

Fade resistance

Pigments of high fade resistance have been used for **Mara®Jet DI-E** standard shades in order to ensure long-term outdoor suitability. On foils of appropriate quality, a light fastness of up to 2 years is guaranteed with reference to the central-European climate (DIN EN 4892-2). For fleet marking applications, such as advertisements on vehicles, an additional lamination or varnishing is to be carried out for mechanical protection.

Colour Range

Available Colours

- 428 Yellow
- 438 Regular Magenta
- 439 Warm Magenta
- 459 Cyan
- 489 Black

Auxiliaries

DI-UR 2 / DI-UR 5 Cleaner

For cleaning print heads and printer parts either DI-UR 2 and DI-UR 5 can be used for cleaning all components of the ink System. These cleaners has been chemically adjusted to the ink. We recommend carrying out cleaning cycles at the beginning and the end of production, and cleaning the nozzle plate once a week.

Shelf Life

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

- 1,5 Years for all colours
- 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.

Loading the printer with ink

Installing **Mara®Jet DI-E** in your printer done:

- Switch & Match = Profiling is recommended



We recommend to perform a cleaning cycle and flush the ink lines with either DI-UR 2, or DI-UR 5 before filling the printers with **Mara®Jet DI-E**.

The cleaning is mandatory especially when converting a printer from 3rd party inks, but is as well recommended when new printers are installed to remove the transport liquid from the tubes and print-head.

Recommendation

For smooth production, it is essential to observe and comply with Marabu's specifications and those of the machine manufacturer. We recommend replacing the Dampers and Captops annually.

After longer downtimes, an "Ink Renewal" should be carried out in accordance with the machine operating instructions



Note

Our technical advice whether spoken, written, or through test trials corresponds to our current knowledge to inform about our products and their purpose. This is not meant as an assurance for certain properties of the products nor their suitability for each application.

Therefore, you are 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.

Labeling

For **Mara®Jet DI-E** 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 rules for solvent printing inks

Solvent-inks contain some substances which may irritate the skin. Therefore, we recommend to take utmost care when working with solvent printing inks. Parts of the skin soiled with ink are to be cleaned immediately with water and soap. Please, read the notes on labels and on safety data sheets.

Marabu – Colors made for life

- Certification to international standards ISO 9001, 14001
- Leading-edge research and development enables us to design innovative products to meet the very latest real-world challenges of our customers
- Corporate responsibility – particularly environmental protection – is at the heart of our business. We have underlined this commitment by creating a dedicated department for product and environmental safety
- We systematically reduce hazardous substances in our products, making our standards among the highest in the industry
- Our international service and support network of subsidiaries and partners offers assistance and advice wherever you are

Sustainability & Commitment

We regard ourselves as pioneers: by proactively addressing environmental protection, occupational health and safety, resource conservation and sustainability, we have secured a special niche position within the competitive international marketplace. Find out more about our:

- [Environmental Report](#)
- [Climate Neutrality](#)
- [Code of Conduct](#)
- [Project Green](#)
- [Environmental Policy](#)

**PROJECT
GREEN**



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