

Technical Data Sheet



Mara® Jet DI-FCS

Mara® Jet DI-FCS is a solvent-based inkjet ink, especially developed for Mimaki SWJ printers. Suitable for graphic applications.



Key features

- Advanced ink for Mimaki SWJ printers
- No use of any substance of concern
- Low odor
- High quality pigmentation
- Available in 2L bottles
- The bottle comes including a CS100 Chip
- Best machine compatibility and maintenance friendliness.

Field of application

Substrates

Mara® Jet DI-FCS substrate range includes:

- Self-adhesive foils (monomeric, polymeric, and cast PVC-films)
- Banner and mesh material
- Flexfoils for textile-transfer
- Suitable papers
- Roll-up banner

Field of use

Mara® Jet DI-FCS is suitable for the following Printers:

Mimaki

- SWJ-320EA
- SWJ-320 S2
- SWJ-320 S4

Printheads:

- Ricoh Gen5

Ink properties

Characteristics	DI-FCS
Plug & Print compatibility	+
Resistance	+++
Pigmentation	+++
Printing stability	+++
Odor / Smell	++++

Drying

The drying parameters don't need to be changed with the use of **Mara®Jet DI-FCS**, but they may be adjusted according to the substrate quality and thickness of the ink layer. For preheating, print heating, and drying, we recommend a temperature range of 35 - 45°C.

Fade resistance

Pigments of high fade resistance have been used for **Mara®Jet DI-FCS** standard shades in order to ensure long-term outdoor suitability. On foils of appropriate quality, a light fastness of up to 3 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 Magenta
- 459 Cyan
- 489 Black

Auxiliaries

DI-UR5

For maintenance and the periodic cleaning of the print heads, captops, etc. DI-UR 5 can be used.

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

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.

Change-Over

Changing to **Mara®Jet DI-FCS** from OEM is done:

- Switch & Match = Colour profiling is required for the best colour match



Changing from Mimaki Original Ink to **Mara®Jet DI-FCS** does not require preliminary cleaning of parts of the printer. Simply replace the OEM ink when empty.

In case of changing from a third-party supplier to **Mara®Jet DI-FCS**, it is our advice to run an additional cleaning cycle with the third-party cleaner before repeating this procedure with the Marabu cleaner DI-UR 5. It is recommended to exchange the dampers, and any other parts if necessary.



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-FCS** 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 & OHSAS 18001
- 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



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