

Solvent-based inkjet printing ink for signage and advertising applications

Good adhesion and resistances, fast drying, and high-quality pigmentation

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Field of Application

Substrates

The Mara® Jet DI-TV substrate range includes

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

Since all the print substrates mentioned may be different in printability even within an individual type due to variable surface tensions, preliminary trials are essential to determine the suitability for the intended use. Blueback-paper might require to create substrate specific color profiles.

Furthermore an additional heater, or a moderate print mode is recommended on those materials.

Field of use

Mara® Jet DI-TV inkjet printing ink is suitable for wide format Roland machines which can be operated in the TrueVISTMINK configuration

The colors are matched for this purpose and can be used with existing color profiles in your RIP-Software. It may require to create a profile on the media used, to achieve finest results possible.

Other printers employing Ricoh GH2220 printheads can be installed by a Marabu technician upon request.

Characteristics

Drying

The original drying parameters don't need to be changed with the use of DI-TV, but they may be adjusted according to the substrate quality and thickness of the ink layer especially on banner material.

For preheating, print heating, and drying, we recommend a temperature range of 40 - 45°C.

Fade resistance

Pigments of high fade resistance have been used for Mara® Jet DI-TV in order to ensure long-term outdoor suitability.

On foils of appropriate quality, a light fastness of up to 3 years (according to DIN EN 4892-2) is guaranteed with reference to the central-European climate. For fleet marking applications, such as advertisements on vehicles, an additional lamination or varnishing is to be carried out for mechanical protection.

Range

Basic Shades

429	Yellow
429	Yellow
434	Light Magenta
438	Magenta
455	Light Cyan
459	Cyan
485	Light Black
489	Black

Auxiliaries

DI-UR	Cleaner
DI-TV	Cleaner

For cleaning print heads and printer parts Mara® Jet DI-TV 401 can be used for all compo-

nents of the ink system. Furthermore DI-TV 401 Cleaner is dedicated to be used in the machine internal cleaner cartridge slot.

The cleaner DI-UR2 can be used for the regular maintenance cleaning on the printheads outside, nozzleplate captops.

The DI-TV inks are also compatible to the cleaner of the original ink.

We recommend carrying out cleaning cycles at the beginning and the end of production, and cleaning the nozzle plate once a week, or if the machine displays "Time for Maintenance".

Shelf Life

The shelf life for an unopened ink container if stored in a dark room at a temperature of 15 - 25 °C is 18 months for all colors.

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

Changing from Roland TrueVISTMINK to Mara® Jet DI-TV does not require preliminary cleaning of parts of the printer. Simply replace the cartridges one after another is empty or as a whole set at once.

In case of changing from a third-party supplier to Mara® Jet DI-TV, it is our advice to run an additional cleaning cycle with the third-party cleaner before repeating this procedure with the Marabu cleaner DI-TV 401. It is recommended to exchange the dampers, and any other parts if necessary when changing from a third party supplier.

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

In order to ensure a smooth production workflow, please follow the guidelines issued by the manufacturer and Marabu. We recommend to replace the cappings once every 12 months. Compliant with the printer's manual, an "Super Cleaning" should be carried out after longer print breaks.

Labelling

For DI-TV 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

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