



Solvent-based Inkjet Ink for PVC self-adhesive films and PVC tarpaulin materials

Good adhesion, fast drying and high UV-resistance for outdoor applications

Vers. 2
2016
03. May

Field of Application

Substrates

The Mara® Jet DI-GR substrate range includes different qualities of PVC self-adhesive foils (monomeric, polymeric, and cast PVC films), coated textiles and other PVC-coated materials, as well as suitable papers.

Since all the print substrates mentioned may be different in printability even within an individual type, preliminary trials are essential to determine the suitability for the intended use.

Field of use

Mara® Jet DI-GR has been developed especially for printing machines employing Konica Minolta 512 and Ricoh Gen 4/5 printheads. Mara® Jet DI-GR has proven excellent application characteristics and good printing properties on such machines.

Characteristics

- Outstanding colour gamut
- Best suited for outdoor applications
- Vast substrate range
- Printing of fine details at high resolution

Drying

The original drying parameters of the machine can be maintained and adjusted according to the quality of the foil used. Good results have been achieved by preheating with 40-45°C and print heating with 35-40°C as well as post-drying with ca. 45-50°C.

Fade resistance

Pigments of high fade resistance have been used for the formulation of Mara® Jet DI-GR in order to ensure a long-term outdoor application. On films of appropriate quality, a light

fastness of 2 years is achieved 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. In this case, the light fastness can be increased to up to 3 years.

Range

Basic Shades

429	Yellow
434	Light Magenta
439	Magenta
455	Light Cyan
459	Cyan
489	Black

Auxiliaries

DI-UR	Cleaner
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For the ink change-over, it is recommended to use Mara® Jet DI-UR for all ink-carrying components of the ink system. This cleaner has been chemically adjusted to the ink.

Shelf Life

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

Before changing over to Mara® Jet DI-GR, all parts of the ink system having been in contact with the previous ink must be cleaned thoroughly with Mara® Jet DI-UR, especially the

Mara® Jet DI-GR



print heads, intermediate tanks, and tubes. Changing the filters is also recommended.

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 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 dampers and cappings once a year.

Labelling

For Mara® Jet DI-GR 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 the present EEC regulations as to health and safety labelling requirements. Such health and safety data may also be derived from the respective label.

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