Maqua® *Jet* DA-E

Marabu

Water-based Inkjet Printing Ink for absorbing and non-absorbing substrates

Good adhesion, high resistance, suited for long-term outdoor application

Vers. 3
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Field of Application

Substrates

The Maqua® *Jet* DA-E substrate range includes uncoated and coated media including many materials based on PLA, PP, PET, different qualities of PVC self-adhesive foils (mono-meric, polymeric, and cast PVC films), Blueback Paper, Paper, Tarpaulin Banner, PC, Canvas, coated tarpaulins, (un)coated fabrics, papers and many others.

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

Maqua® *Jet* DA-E is suitable for printers with Epson DX4 and DX5 printhead technology which are equipped with an additional heating system. The drying characteristics of this water-based ink system definitely require a stable and reliable heating system.

Characteristics

Fade resistance

Pigments of high fade resistance have been used for Maqua® *Jet* DA-E in order to ensure long-term outdoor suitability.
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.

Range

Basic Shades

428	Yellow
434	Light Magenta
438	Magenta
455	Light Cyan
459	Cyan
489	Black

Auxiliaries

DA-UR	Cleaner

Maqua® *Jet* DA-UR is recommended for cleaning print heads and other ink-carrying components, and should be used if any parts need to be soaked for awhile. This cleaner has been chemically adjusted to the ink.

Printing Parameters

The original drying parameters of the machine can be adjusted in the software settings according to the media quality and thickness of the ink layer. Good printing results have been achieved with preheating the media to approx. 40°C. Print heating of approx. 45°C should be maintained. Drying temperature of approx. 50°C ensures that the print is fully dry before winding it back up. These temperatures may be adjusted individually according to printing speed, substrate and printer configuration.

Shelf Life

Maqua® *Jet* DA-E is a water-based ink system and and in order to avoid frost damages, it should under no circumstances (not even shortly) be exposed to temperatures lower than 5 °C during transport and storage.
If permanently stored at a temperature range of 15–25 °C, the shelf life of the unopened ink container is 12 months. Under different condi-

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tions, particularly differing storage temperatures, the shelf life is reduced. In such cases, the warranty given by Marabu expires.

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.

Labelling
For Maqua® *Jet* DA-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 the present EEC regulations as to health and safety labelling requirements. Such health and safety data may also be derived from the respective label.

Water-based products typically contain isothiazolinone biocides, including methyl isothiazolinone, as in-can preservatives. Such biocides may cause allergic skin reactions in already sensitised individuals.

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