Technical Data Sheet

TexaJet DX-STE

Marabu

Water-based sublimation ink for transfer printing, designed for Epson piezo print heads DX6 & DX7

Brilliant colours, fast drying, excellent dot definition, APEO-free, meets the dyestuff related requirements of the Oeko–Tex® Standard 100

Vers. 01
2013
14. June

Field of application

Substrates

TexaJet DX-STE is suited to print images on sublimation papers which are then transferred onto substrates such as polyester and polyamide (nylon), or blended fabrics containing at least 60% polyester. It is also suitable for sublimating onto polyester-coated substrates like e.g. metals, ceramics and plastics.

Field of use

TexaJet DX-STE is designed for transfer printing and is suited for common Wide-Format printers, especially models with EPSON DX6/DX7 piezo print head technology. Due to licensing reasons TexaJet DX-STE can only be used on printers ≥ 40 inch (101.6 cm).

Applications

- Soft Signage
- Flags & banners
- Sportswear
- Fine art prints
- Promotion articles
- Ski, snowboards

Characteristics

Fastness according to EN ISO standard

429:
Light fastness, ISO 105B02: 6/7
Wash fastness, ISO 105C02: 4/5
Persp. fastness, alkaline, ISO105E04: 4/5

439:
Light fastness, ISO 105B02: 6/7
Wash fastness, ISO 105C02: 4/5
Persp. fastness, alkaline, ISO 105E04: 5

459:
Light fastness, ISO 105B02: 5/6
Wash fastness, ISO 105C02: 4/5
Persp. fastness, alkaline, ISO 105E04: 4/5

488:
Light fastness, ISO 105B02: 5/6
Wash fastness, ISO 105C02: 4/5
Persp. fastness, alkaline, ISO 105E04: 4/5

Range

Basic shades

DX-STE 429 Yellow
DX-STE 439 Magenta
DX-STE 459 Cyan
DX-STE 488 Black

Auxiliaries

DX- UR	Cleaner
DX-URS	Station Cleaner

The cleaner Texajet DX-UR is available for the cleaning of the printing machine.

In order to avoid the capping stations of Super-Wide printers to start foaming, DX-URS can either be dripped onto the capping station before production start, or (if it is an open cartridge system) it can be filled directly into the cleaning cartridge (mixing ratio 50:50 with cleaner DX-UR).

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Printing parameters

Transfer parameters and thermofixing
The transfer and fixing properties may vary depending upon the physical and chemical characteristics of the substrate. Transfer times of 30-60 seconds at 180°-210°C have proven to be appropriate. Hand presses or calenders can be used for thermofixing.
Best printing conditions are given at an ambient temperature of 20 – 25°C and ≥ 60% relative air humidity.

Shelf life

Texajet DX-STE 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 conditions, particularly differing storage temperatures, the shelf life is reduced. In such cases, the warranty given by Marabu expires.

Labelling

For TexaJet DX-STE and its additives and 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.

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.

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