



Resin based pigmented inkjet ink for textile transfer in combination with Plastisol and PU-based screen printing inks

Texa®Jet DX-DTE meets the related requirements of the Oeko-Tex® Standard 100 and is Eco Passport certified

Vers. 2
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Field of Application

Substrates

The Texa®Jet DX-DTE substrate range includes suitable release coated transfer foils. Perfect results can only be achieved by using the "Marabu-Textile-Release-Film".

Field of use

Texa®Jet DX-DTE is developed to fit the needs of Cold Peel Transfer Applications in combination with screen printing transfer inks for fashion, apparel and sport clothing as well as jackets, or backpacks.

Texa®Jet DX-DTE prints can be combined with all types of transfer inks available. Depending on the white and adhesive influence, results can be different in terms of washing and flexibility. The final combination needs to be pre-tested according to the requirements of the application.

Patches are transferred at a pressure of 4-5 bar using a heat press. Transfer time and temperature need to be set according to the specifications of the screen printing white and glue.

The recommended foil "Marabu-Textile-Release-Film" can be peeled off, when it's cooled down again. It is not recommended to peel hot.

Characteristics

Washing fastness and the ability to stretch is related to the combined white ink and glue. Even a washing resistance of up to 60°C is achievable with matching combinations.

Fade resistance

Pigments of high fade resistance (7/8) have been used for Texa®Jet DX-DTE in order to ensure long-term resistance.

Range

Basic Shades

| | |
|-----|---------|
| 428 | Black |
| 428 | Yellow |
| 438 | Magenta |
| 459 | Cyan |

Auxiliaries

Texa®Jet DX-MCL is recommended for cleaning print heads and other ink-carrying components. It should be used if any parts need to be soaked for a while. This cleaner has been chemically adjusted to the ink.

Maintenance

The cleaning of the printhead, wiper and caping station is mandatory 2 times per week.

The auto cleaning parameters need to be set to factory default to ensure the periodic cleaning.

In case the machine is not intended to be used for more than 2 weeks, the system needs to be flushed using the cleaner Texa®Jet DX-MCL

Printing Parameters

For production, the printhead high needs to be adjusted to high.

Before a print job is send to the machine, the "Nozzle Check" option in the VSM and a visual check of the nozzles needs to be performed. To make the nozzles of the Yellow channels more visable a blue light can be used. Water-based inks can cause foaming during cleaning cycles.
- A waiting period of 15 minutes after a cleaning can improve nozzle test results.

To make sure that the registration is matching for the screen print, the foil should be loaded accurate and straight.

In case there is a need to load a new roll during one print job, the first print should be checked for the registration with matching it to the last print of the previous roll.

The ink is most likely dry after the print and the sheets can be processed.

For best results it is recommended to run the sheets through an oven, or store them over night on air, in a rack.

Color profiles and options for data adjustments are offered with the provided RIP-software. Please see the manual of the software.

For the screen printing the specifications for mesh and process parameters recommended by the manufacturers are need to be chosen.

Shelf Life

Texa®Jet DX-DTE is a pigmented resin ink system and in order to avoid frost damages, it should under no circumstances be exposed to temperatures lower than 5°C. The shelf life of the unopened ink container is 12 months, if stored and transported at a temperature range of 5 – 35 °C. Under different conditions, particularly other storage temperatures, shelf life will be 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 foregoing information is based on our experience and should not be used for specification purposes.

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 Texa® Jet DX-DTE 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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