



Water-based hybrid sublimation ink for direct or transfer printing onto textiles

Brilliant colours and excellent dot definition, APEO-free, meets the dyestuff related Oeko - Tex Standard 100 requirements

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Field of Application

Substrates

Texa® Jet DX-SHE is a hybrid sublimation ink for polyester and polyamide (nylon), or blended fabrics containing at least 60% polyester.

It is also suitable for transfer printing onto polyester-coated substrates like e.g. metals, ceramics and plastics. For direct printing, only pre-treated polyester should be used; this pre-treatment is usually carried out by the manufacturer.

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

Due to licensing reasons Texa® Jet DX-SHE can only be used on printers with min. 40 inch (101,6 cm).

The digital printing ink Texa® Jet DX-SHE was designed for direct or transfer printing. Subsequently, both applications require a thermofixing process, customarily carried out with hand presses or calenders.

Wide-Format printers like Roland, Mimaki, Mutoh, as well as other printer models with EPSON DX4/DX5 piezo print head technology are suitable for digital printing applications.

Texa® Jet DX-SHE has also proven itself on Super-Wide printers such as Mimaki JV5-320DS.

Best printing conditions are given at an ambient temperature of 20 – 25°C and up to 60% relative air humidity.

Application possibilities

- Soft signage, flags & banners
- Sportswear
- Fine art prints

Characteristics

Fastness according to EN ISO standard

Properties	429	439	459	488
Light fastness ISO 105B02	6/7	6/7	5/6	5/6
Wash fastness ISO 105C02	4/5	4/5	4/5	4/5
Perspiration fastn. ISO 105E04	4/5	5	4/5	4/5

Range

Basic Shades

429	Yellow
439	Magenta
459	Cyan
488	Black

Auxiliaries

DX-UR	Cleaner
DX-URS	Cleaner

The cleaner Texa® Jet 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).

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.

Shelf Life

Texa® Jet DX-SHE is a water-based ink system 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 18 months. Under different conditions, 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 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.

Labelling

For Texa® Jet DX-SHE 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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