

# TexaJet DX-SHE



Vers. 04  
2012  
25. Jul

**TexaJet DX-SHE is a water-based hybrid sublimation ink for direct digital printing or transfer printing onto polyester or polyamide fabrics (nylon), or blended fabrics containing at least 60% polyester. Designed for Epson piezo print heads DX4 and DX5**

**Brilliant colours, deep black, excellent dot definition, wide colour gamut, APEO-free, meets the dyestuff related requirements of the Oeko—Tex Standard 100, very good fastness properties, and long shelf life if stored and transported at a temperature range of 5 °C – 35 °C**

## Field of application

### Substrates

TexaJet 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 pretreated polyester should be used; this pretreatment is usually carried out by the manufacturer.

### Field of use

Due to licensing reasons TexaJet DX-SHE can only be used on printers  $\geq 40$  inch (101,6 cm). The digital printing ink TexaJet 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.

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  $\geq 60\%$  relative air humidity.

### Applications

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

## Characteristics

### Fastness according to EN ISO standard

Colour Shade	light fastness ISO 105B02	wash fastness ISO 105C02	perspiration fastness ISO 105E04 (alkaline)
<b>429</b> Yellow	6/7	4/5	4/5
<b>435</b> Light Magenta	6/7	4/5	5
<b>439</b> Magenta	6/7	4/5	5
<b>455</b> Light Cyan	5/6	4/5	4/5
<b>459</b> Cyan	5/6	4/5	4/5
<b>488</b> Black	5/6	4/5	4/5
<b>022</b> Orange	5/6	4/5	4/5
<b>055</b> Blue	5/6	4/5	5
<b>320</b> Fluor. Yellow	3/4	4/5	4/5
<b>333</b> Fluor. Pink	5/6	5	4/5

### 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

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to be appropriate. Hand presses or calenders can be used for thermofixing.

## Range

### Basic shades

- DX-SHE 429 Yellow
- DX-SHE 435 Light-Magenta
- DX-SHE 439 Magenta
- DX-SHE 455 Light-Cyan
- DX-SHE 459 Cyan
- DX-SHE 488 Black

### Additional shades

- DX-SHE 022 Orange
- DX-SHE 055 Blue

### Fluorescent shades

- DX-SHE 320 Fluorescent Yellow
- DX-SHE 333 Fluorescent Pink

## Cleaner

- 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).

## Shelf life

Texajet DX-SHE is a water-based 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.

## Labelling

For TexaJet DX-SHE and the TexaJet DX-UR Cleaner, Material Safety Data Sheets are 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.