



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

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

Vers. 1  
2017  
29. Sep

## Field of Application

### Substrates

Texa® Jet DX-SHM 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

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

Texa® Jet DX-SHM is specially made for Mimaki machines able to run in SB300 sublimation ink configuration. The ink's chemistry is compatible to Mimaki SB300. It is recommended to change over by following the procedure of "pump up / fill ink".

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, fashion
- Fine art prints

## Characteristics

Fastness according to EN ISO standard

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

## Range

### Basic Shades

|     |         |
|-----|---------|
| 429 | Yellow  |
| 439 | Magenta |
| 459 | Cyan    |
| 488 | Black   |

## Auxiliaries

DX-UR Cleaner

The cleaner Texa® Jet DX-UR is available for the cleaning of the printing machine.

## 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 200°-210°C in a calender have proven to be appropriate.

## Shelf Life

Texa® Jet DX-SHM 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 1 year. Under different conditions, particularly differing storage temperatures, the shelf life is reduced. In such cases, the warranty given by Marabu expires.

may cause allergic skin reactions in already sensitised individuals.

Vers. 1  
2017  
29. Sep

## 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-SHM 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