

Textile Effects

TERASIL[®] DI HL disperse inks

For ink jet direct printing on polyester fabric



TERASIL® DI HL disperse inks

Process

Applications

High light-fastness

- Automotive
- Home furnishing
- Decorative fabrics
- High light-fastness outdoor applications

Fashion

- Apparel
- Swimwear

Polyester preparation

Higher sharpness and color yield

An optimized recipe has been developed for preparation of the fabrics in order to obtain high color yield, levelness and sharpness of the prints with the water-based TERASIL DI HL inks. The build-up of inks on polyester fibers is improved, which is essential to achieve deep and solid shades.

The following is a guideline recipe, usually applied by padding:

100–180 g/l THERMOCOL® MP (color yield improver)
10–30 g/l LYOPRINT® AIR (de-aerating agent)
pick-up 60–80 %

When optimum light-fastness is required, the use of UV absorber e.g. UV-FAST® P is necessary. This product can be applied as an addition to the preparation recipe or as an aftertreatment. The amount to use is as follows:

50 g/l UV-FAST® P
pick-up 60–80 %

Ink jet printing

See the instructions issued by the manufacturer of the ink jet printer.

The optimal printing conditions are:

20–22 °C/68–72 °F and relative humidity \geq 60 %

Fixation

HT steaming 8 min at 180 °C/356 °F or

thermofix 1–2 min at 180–210 °C/356–410 °F

Washing off

Rinse 5 min with cold water

Soap 5 min at 40 °C/104 °F with 1 g/l ERIOPON® OS

Reduction clearing

TERASIL® DI HL disperse inks

Ink range

Wider color space

TERASIL Yellow DI HL-5100



TERASIL Bright Yellow DI-5110



TERASIL Golden Yellow DI-5120



TERASIL Red DI HL-5200



TERASIL Pink DI HL-5300



TERASIL Violet DI HL-5400





TERASIL Navy DI-5450



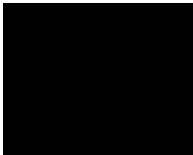
TERASIL Blue DI HL-5500



TERASIL Green DI HL-5600



TERASIL Gray DI HL-5700



TERASIL Black DI HL-5800

CLEANJET CS

cleaning solution



recommended for very high
light-fastness level



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