

Textile Effects

TERASIL[®] TS disperse inks

For transfer or direct ink jet printing of polyester fabric



TERASIL® TS disperse inks

Process

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 TS 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)
10–20 g/l LYOPRINT® AIR (de-aerating agent)
pick-up 60–80%

For **transfer printing** on paper no preparation is needed.

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

Direct printing on polyester

Fixation with hot presses or calenders:
30s at 200–210 °C/392–410 °F

Transfer printing from paper to polyester

Transfer/fixation with hot presses or calenders:
30s at 200–210 °C/392–410 °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

Transfer technique does not require subsequent washing off.

Ink range

Bright colors



TERASIL Yellow TS-4100



TERASIL Orange TS-4200



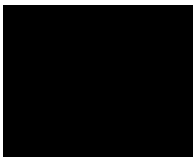
TERASIL Magenta TS-4300



TERASIL Blue TS-4400



TERASIL Cyan TS-4500



TERASIL Black TS-4700

CLEANJET CS

cleaning solution

Fastness properties

TERASIL	Xenon lamp 336 h	Weather ISO 4892-2A	Washing 3, 60 °C/140 °F, ISO 105-C03		
	100%		Ch	PES	CO
Yellow TS-4100	7	4-5	5	5	5
Orange TS-4200	4-5	4	5	5	5
Magenta TS-4300	7	4	5	5	5
Blue TS-4400	7	3	5	5	5
Cyan TS-4500	6	4	5	5	5
Black TS-4700	6	4-5	3-4	5	5

TERASIL	Acid perspiration ISO 105-E04			Alkaline perspiration ISO 105-E04		
	Ch	PES	CO	Ch	PES	CO
Yellow TS-4100	5	5	5	5	5	5
Orange TS-4200	5	5	5	5	5	5
Magenta TS-4300	5	5	5	5	5	5
Blue TS-4400	5	5	5	4-5	5	5
Cyan TS-4500	5	5	5	4-5	5	5
Black TS-4700	5	5	5	5	5	5

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