



SCREEN PRINTING TEXTILE INK AQUATRANS

Water-based polyurethane ink (mono component) for transfer printing. Good flexibility, high elasticity.

Use

- 1) Printing on polyester film for mat transfer (ref. 2543600 or siliconed paper (ref. 2543300) (*by 250 sheets, size 70 x 50 cm) and (ref. 2543600) (by 250 sheets, size 70 x 100 cm).
- 2) Pre-drying of the dyes: 2 mn at 80°C at pulsed air tunnel
- 3) Printing of the adhesive (ref. 3864041) (mesh 36 threads/cm).
Drying : 2 mn at 50 - 60°C.

or

use a powder adhesive:

- PU (ref. 3863328), drying 2 mn at 90°C
- PET (ref. 3863327), drying 2 mn at 105°C

- 4) Transfer on textile with a heating press by respecting the following recommendations:
 - Powder PU pressure 3 to 5 bars
 - temperature 140 - 150°C
 - time 15 to 30 seconds

In that case, we advise you not to wash and dry over 60°C.

- Poudre PET pressure 3 to 5 bars
- temperature 150 - 180°C
- time 20 to 30 seconds

- 5) Take out the transfer substrate only after complete cooling.

Please respect the following points:

Before you start printing pass the transfer paper through the dryer to condition the transfer paper prior to printing.

Polymerization of the ink on the transfer support could lead to problems with adhesion to the fabric.

Preliminary tests must be carried out to check the resistance of the textile to the press and ensure paper to textile transfer.

Adding a big quantity of pigment concentrates (30%) can damage the transfer, particularly if used exposure.

Particular case: in case of drying over 60°C

- Special base (**ref. 3Y2804**)
- Powder PU (**ref. 3Y2911**)
- Covering white (**ref. 3524087**) to prepare various shades

IMPLEMENTATION

Preparation is required before using this range of inks.

The pigment concentrates are used with the thinner base on its own or with the thinner base and the blending white.

PREPARATION

- Red resist, ruby red and black, 90% base, 10% pigmented concentrate.
- Lemon, thinner base 37,5%, blending white 60%, 2,5% pigmented concentrate.
- Other colours, 20% base, 60% white, 20% pigment concentrates.



Specifications

■ Appearance:	satin	■ Washing resistance:	good
■ Smell:	very few	■ Elasticity:	excellent
■ Average density:	1.25	■ Ironing:	on the reverse
■ Rheology:	thixotropic ink	■ Diluent retarder:	3X9394
■ Cleaning product:	water	■ Diluent thickner:	3Y1598
■ Covering power:	good	■ Expiry date:	refer to the label
■ Coverage rate: with a 49 - 70 mesh	approx. 20 m ² /l	■ Storage conditions:	between 0° and 35°C
		■ Colours miscible together:	yes

Toxicology

The **AQUATRANS** inks comply with EN 71-3 standard.











TIFLEX would like to draw your attention to the following points:

Before starting production, you are recommended to check the ink compatibility and resistance on a textile by washing the finished article according to the conditions indicated on its label.

Washing resistance may be reduced with some dyes rich in base colours or white (transparent or pastel colours).

The washing resistance may also be reduced due to fibrillation (fibres projecting through the printing). This phenomenon is independent of ink polymerisation.

High washing temperatures associated with powerful detergents may lead to colour changes with some colours.

COLOURS		Ref. 1 l
PIGMENT CONCENTRATES		
	Lemon	3522002
	Yellow	3522004
	Orange	3522006
	Cherry red	3522008
	Rubis red	3522012
	Fuchsia	3522015
	Purple / Violet	3522016
	Primary blue	3522020
	Mint green	3522035
	Black	3522044

Non contractual colours and pictures
On simple request, we can propose you a color panel card displaying accurate shades.

STANDARD COLOURS		Ref. 5 l
Thinner white		3524000
Covering white		3524087
BASES		
Thinner base		3524066
Base for metallic paste		3524095
SPECIAL EFFECT		
Silver paste, per kg		3542047
Gold paste, per kg		3562096

ADHESIVES		Ref. 5 l
Adhesive		3864041
Thermofusing powder adhesive polyester, bucket 3 kg		3863327
Thermofusing powder adhesive PU, bucket 3 kg		3863328

IMP. TIFLEX 01.01.2018 - Non contractual colours and pictures - Only our Web-site is authorised to give real-time information about our inks. Paper notices are considered unwritten and no longer engage our company's responsibility once they are updated on our Web-site. Our responsibility can be engaged only if the customer has based his position on the information published on our Web-site. In all cases, the user should carry out validation tests under his own conditions before using our inks for his production. The safety data sheets are available free at: www.tiflex.com/fds



CS 30200 - 01450 PONCIN - Tél. +33 (0) 4 74 37 33 80/97
international@tiflex.fr - www.tiflex.com