



# TIFLEX

TECHNOLOGICAL & INDUSTRIAL SOLUTIONS

## TEXTILE INKS

### ■ AQUATRANS

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

marquer le monde\*

**farben-frikell**



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SCREEN PRINTING

# AQUATRANS

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

## SPECIFICATIONS

- > Appearance: satin
- > Smell: very little
- > Average density: 1.25
- > Rheology: thixotropic ink
- > Cleaning product: water
- > Covering power: good
- > Coverage rate: approx. 20 m<sup>2</sup>/l with a 49- 70 mesh correctly fixed, it resists domestic washing: cycles to be launched from 30°C to 50 °C cycles
- > Washing resistance: excellent
- > Elasticity: on the reverse
- > Ironing: 3X9394
- > Delaying agent: 3Y1598
- > Thickner: 12 months
- > Expiry date: between 0° and 35°C
- > Storage conditions: yes
- > colours miscible together:

## USE

- 1) Printing on polyester film for mat transfer 2543600 or siliconed paper 2543300 (by 250 sheets, size 70 x 50 cm) and 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 (mesh 36 threads/cm).  
Drying : 2 mn at 50 - 60°C.  
or  
use a powder adhesive:  
- PU 3863328, drying 2 mn at 90°C  
- PET 3863328, 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
  - 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:**

## USE

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.

## 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.

## STORAGE AND TOXICOLOGY

The AQUATRANS inks comply with EN 71-3 standard.

## PIGMENT CONCENTRATES

Ref.	Packaging	Color	Ref.	Packaging
3522002	1 l		3522016	1 l
3522004	1 l		3522020	1 l
3522006	1 l		3522035	1 l
3522008	1 l		3522044	1 l
3522012	1 l			
3522015	1 l			
			3522016	1 l
			3522020	1 l
			3522035	1 l
			3522044	1 l

## BASE

Ref.	Packaging
3524000	5 l
3524087	5 l

## BASE

Ref.	Packaging
3524066	5 l

## ADHESIVES

Ref.	Packaging
3864041	5 l
3863327	3 kg
3863328	3 kg

### 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.



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