### **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**

#### SCREEN PRINTING

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

#### TECHNOLOGICAL & INDUSTRIAL SOLUTIONS

AQUATRANS

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

#### SPECIFICATIONS

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- > Smell:
- > Average density:
- $\geq$  Rheology:
- Cleaning product:
- > Covering power:
- > Coverage rate:
- Washing resistance:
- > Elasticity:
- > Ironing:
- > Delaying agent:
- > Thickner:
- Expiry date:
- Storage conditions:
- > colours miscible together:

time

Please respect the following points:

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

#### 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

20 to 30 seconds

satin

1.25

water

good

excellent

3X9394

3Y1598

12 months

on the reverse

verv little

thixotropic ink

#### USE 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

#### PREPARATION

blending white.

- 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.

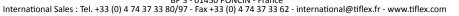
TIFLEX would like to draw your attention to the following points: Before starting production, you are recommended to check the ink compatibility and resistance on a textile by washing the finished

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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On simple request, we can propose you a color panel card displaying accurate shades.

Non contractual colours and pictures

#### between 0° and 35°C yes

approx. 20 m<sup>2</sup>/l with a 49-70 mesh

launched from 30°C to 50 °C cycles

domestic washing: cycles to be

correctly fixed, it resists