

Aquatech FF

Code M99679

PRODUCT DESCRIPTION

High solid polyurethane water-based ink series for polyester fabrics, leather, imitation leather and nylon.

APPLICATION FIELDS

Direct textile and transfer printing. For ready-to-wear or pre-cut articles.

APPLICATION PROCESS

Substrates	<ul style="list-style-type: none"> • Polyester, leather, imitation leather
Th/cm	<ul style="list-style-type: none"> • Max 90 Th/cm (230 Th/inch)
Emulsion	<ul style="list-style-type: none"> • See reference table
Squeegee	<ul style="list-style-type: none"> • Square edge • Squeegee hardness 60 - 65 Shores
Curing	<ul style="list-style-type: none"> • 140/150°C for 3/2 minutes • Room Temperature in combination with Fixing Agent
Auxiliaries	<ul style="list-style-type: none"> • See "Auxiliaries for Water-Based Products" data sheet.
Cleaning	<ul style="list-style-type: none"> • Screenclean ST
Storage	<ul style="list-style-type: none"> • Away from direct sunlight • At a temperature between 15-35°C
Package	<ul style="list-style-type: none"> • 5 kg
Safety Data Sheet	<ul style="list-style-type: none"> • Available upon request

GENERAL FEATURES

- Very good general fastness
- Soft touch
- Low tack



PREPARATION

Ready to use ink.

Add from 4% to 5% of ECOTEX FIX 70 for curing at room temperature. The pot life of the catalysed ink depends of several factors, normally around 2-4 weeks.

Homogenize well, before using it.

Add ECOTEX P pigments to obtain brilliant colours (using CLEAR) or pastel tone colour (using WHITE).

APPLICATION

AQUATECH FF must be printed with serigraphic screens. To increase colour brightness, during printing, it is recommended to adjust the out of contact and the pressure of the squeegee at their best, in order to obtain an ink film that can remain onto the surface of the substrate.

To avoid bleeding effect on certain polyester fabrics, print always AQUATECH NO BLEED GREY as background before printing WHITE.

For transfer printing: dust THERMOPLASTIC POWDER on the ink while still wet, remove excess powder, dry at 100/120°C for 60 seconds, then transfer with a press at about 170-180°C for 15-10 seconds, tear off cold.

CURING

Curing should take place at 140-150°C for 3/2 minutes while considering the substrate, however. General fastness tests should be performed at least 3 days after printing.

EQUIPMENT

Indicated for using onto automatic, semi-automatic and manual machines.

SPECIAL INSTRUCTIONS

- Always test the printing characteristics, before starting production.
- Always check curing conditions. The addition of additives could require a longer curing time.
- Test always the washing resistance and the general fastness before starting with industrial process.
- Test always the bleeding of the polyester fabric: in case of high bleed fabrics, use AQUATECH FF NO BLEED GREY as underlayer before printing WHITE and colours.

PRODUCT RANGE

Code	Inks
M996791	TEXPRI 07-L07 (AQUATECH FF WHITE)
M996790	TEXPRI 07-L07 (AQUATECH FF CLEAR)
M996792	TEXPRI 07-L07 (AQUATECH NO BLEED GREY)

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: safety@eptainks.com

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications, and the related required certifications of the finished items.