

# Aquatech FF

Code MX004052; MX004082; MX004083

## PRODUCT DESCRIPTION

High solid acrylic water-based ink series for Polyester fabrics, leather, imitation leather

## APPLICATION FIELDS

Transparent Clear, White and No Bleed Grey for serigraphic direct printing.

## APPLICATION PROCESS

<b>Substrates</b>	Polyester, leather, imitation leather
<b>Th/cm</b>	Max 77 Th/cm
<b>Emulsion</b>	<ul style="list-style-type: none"> <li>• <i>Zero-in Astra</i></li> <li>• <i>Zero-in Universal Plus</i></li> </ul>
<b>Squeegee</b>	Square edge Squeegee hardness 60 - 65 Shores
<b>Curing</b>	100°-130°C for 3 minutes, Room temperature in combination with fixing agent
<b>Thinner</b>	In case, max 2% water
<b>Thickening Agent</b>	In case, max 1% <i>Texilac Addensante 346 New</i>
<b>Retarder</b>	In case, max 5% <i>Texilac Ritardante Gel</i>
<b>Colours</b>	Max 5% <i>Texilac Coloranti</i> or <i>Ecotex P Pigmenti</i>
<b>Fixing Agent</b>	4-5% <i>Ecotex Fix 70</i>
<b>Cleaning</b>	Water or <i>Screenclean ST</i>
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Away from direct sunlight</li> <li>• At a temperature between 15-35°C</li> </ul>
<b>Package</b>	5 kg
<b>Safety Data Sheet</b>	Available upon request

## GENERAL FEATURES

- No VOC
- Excellent abrasion resistance
- No staining
- Excellent runnability
- Very low Formaldehyde content



## PREPARATION

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 *Texilac Coloranti* or *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.

## CURING

Curing must take place at the higher possible temperature considering the substrate. Using *Ecotex Fix 70* it is possible to cure at room temperature. Test the fastness after 3 days at least.

## 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.

## EQUIPMENT

Indicated for using onto automatic or manual machines.

## RANGE

Name	Code
AQUATECH FF WHITE	MX004052
AQUATECH FF CLEAR	MX004082
AQUATECH NO BLEED GREY	MX004083

## 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.