

Texilac Discharge LF

Code 167469

PRODUCT DESCRIPTION

Two-component water-based ink for textile discharge printing.

APPLICATION FIELDS

Discharge printing. For pre-cut or ready-to-wear articles.

APPLICATION PROCESS

Substrates	<ul style="list-style-type: none"> Cotton 100% Substrates must be dyed through corroding dyes
Th/cm	Max: 55 Th/cm (140 Th/inch)
Emulsion	<ul style="list-style-type: none"> Quadrex Zero-In Astra Zero-In Universal Plus
Squeegee	Square edge Squeegee hardness 60 - 65 Shores
Curing	160°C for 3 Minutes
Thinner	In case, max 2% Water
Corroding Agent	5% <i>Texilac Corrodente LF</i>
Pigments	<ul style="list-style-type: none"> <i>Texilac Coloranti</i> (max 5%) <i>Ecotex P Pigmenti</i> (max 5%) They must be both selected
Thickening Agent	In case, max 1% di <i>Texilac Addensante 346 New</i>
Retarder	In case, max 3% <i>Texilac Ritardante</i> or <i>Urea</i>
Cleaning	Water or <i>Screenclean ST</i>
Storage	<ul style="list-style-type: none"> Away from direct sunlight At a temperature between 15-35°C
Package	See the product range table
Safety Data Sheet	Available upon request

GENERAL FEATURES

- Low formaldehyde content
- Very bright colours and extremely soft touch
- High opacity onto dark background
- Anti-foil effect
- Good wet-on-wet printability
- The printed article does not require washing, before wearing



PREPARATION

Two-component ink. *Texilac Discharge LF* must be mixed with 5% *Texilac Corrodente LF*.

The pot-life of the mixture is about 8 hours. This time may vary, according to the environmental printing conditions: high temperatures and humidity may reduce it.

Texilac Discharge LF may be pigmented through 5% *Ecotex P* or *Texilac Coloranti*, selected for discharge printing (see the related colour chart). For an optical white effect, add up to 10% max *Texilac Colorante Bianco per Corrosione*. It is recommended to prepare the colour mixture (*Texilac Discharge LF* + *Ecotex P* or *Texilac Coloranti*) in advance, and then, when the time for printing comes, add 5% *Texilac Corrodente LF*, under agitation, in order to better homogenize the paste.



APPLICATION

Always check that the fabric has been dyed through corroding dyes. The printing sequence is not particularly important: it is recommended to print the dark colours first, in order to keep the brightness of the final effect. It is recommended to regulate the out-of- contact and the squeegee pressure at their best, according to the drawing. *Texilac Discharge LF* is indicated for wet-on-wet printing.

CURING

The printed fabric, still wet, must be cured into oven at 160°C for 3 minutes. Other procedures, such as hot press or curing onto dry cloth, require the addition of 5% urea and do not allow particular tone brightness.

SPECIAL INSTRUCTIONS

- Always test the printing characteristics, before starting production.
- Always check curing conditions. The addition of additives could require higher temperature or longer time.

It is recommended to add small quantities of printing paste in the screen. Such additions allow to keep the ink cool, getting round the possible tone changing from the beginning of the printing cycle to its end.

- The prints, that have been cured, according to the indicated application conditions, have good solidities to home washing (40°C, delicate clothes).
- Whitening of the prints after washing may be easily caused by the fibrillation phenomenon (according to the kind of fabric used) rather than by scarce washing solidities of the printed product. Check if the substrate is dischargeable or not, and use the right inclination of the squeegee, in order to obtain the best ink deposit.

EQUIPMENT

Indicated for using with automatic, semiautomatic and manual machines.

PRODUCT RANGE

Code	Water Base	Package
167469	DISCHARGE LF	5 and 50 kg
167470	CORRODENTE LF	1 kg

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.