



Textile Printing



# TEXILAC E-LF

Code N° 16702-

## PRODUCT DESCRIPTION

Water-based opaque inks for textile printing. Semi-matt finishing

## APPLICATION FIELDS

Textile direct printing. For ready-to-wear and pre-cut articles.



## APPLICATION PROCESS

<b>Substrates</b>	<ul style="list-style-type: none"> <li>• Cotton 100%</li> <li>• Cotton mixed with synthetic fibres</li> <li>• Elastic substrates</li> </ul> <p>The substrates may be white or coloured</p>
<b>Th/cm</b>	Max. 55 (140 Th/inch)
<b>Emulsion</b>	<ul style="list-style-type: none"> <li>• ZERO - IN ASTRA</li> <li>• ZERO - IN UNIVERSAL PLUS</li> </ul>
<b>Squeegee</b>	Square edge Squeegee hardness 60 - 65 Shores
<b>Curing</b>	140°C -150°C for 3 minutes
<b>Thinner</b>	In case, max 4% Water
<b>Thickening agent</b>	In case, max 2% <b>TEXILAC ADDENSANTE 162</b>
<b>Retarder</b>	In case, max 3% <b>TEXILAC RITARDANTE</b>
<b>Fixing agent</b>	In case, 2% <b>ECOTEX FIX 50</b>
<b>Pigments</b>	<ul style="list-style-type: none"> <li>• <b>TEXILAC COLORANTI (max 5%)</b></li> <li>• <b>ECOTEX P PIGMENTI (max 5%)</b></li> </ul>
<b>Cleaning</b>	Water or <b>SCREENCLEAN ST</b>
<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>	See the <b>PRODUCT RANGE</b> table
<b>Safety Data Sheet</b>	Available upon request

## GENERAL FEATURES

- High opacity
- Good elasticity
- Soft touch
- Good printability
- Very low formaldehyde content

## PREPARATION:

Ready-to-use inks.

In case of large weft fabrics, it is possible to dilute it with water in the maximum percentage of 4%.

Drying may be retarded by the addition of 5% **TEXILAC RITARDANTE**.

The colours are prepared by mixing with maximum 5% **TEXILAC COLORANTI** or **ECOTEX PIGMENTI**. The addition of the above-mentioned pigments does not change the ink rheology.

The use of **TEXILAC E-LF BASE** allows to obtain bright colours.

The addition of **TEXILAC COLORANTI** or **ECOTEX P PIGMENTI** to **TEXILAC E-LF BIANCO EXTRA** allows to obtain pastel colours.

In case that a multicolour printing onto dark fabric is desired, wet-on-dry printing is suggested.

In order to improve the printing elasticity onto particularly elastic items, the printing of a background with **TEXILAC E-LF TRASPARENTE** is suggested.

## APPLICATION:

For the best colour opacity and 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.

The ink is not recommended for wet-on-wet printing.

## POLIMERIZZAZIONE:

Curing must take place into oven at 140° C - 150° C for 3 minutes. Time and temperature must be optimized by the customer, depending on the kind of printing and substrate. In any case, they mustn't be lower than the above-recommended ones.



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**SPECIAL INSTRUCTIONS**

- Always test the printing characteristics, before starting production.
- Always check curing conditions. The addition of additives could require a longer curing time.
- These inks do not resist dry clearing and bleaching.
- **TEXILAC E-LF** is a series with very low formaldehyde content. **The formaldehyde content is highly influenced by the following factors:**
  - The kind of printing
  - The film thickness and the quantity of printed ink
  - The curing conditions

**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.

**PRODUCT RANGE**

CODE	TEXILAC E-LF	PACKAGE
167022	BASE	5 and 50 Kg
167023	TRASPARENTE	5 and 50 Kg
167029	BIANCO EXTRA	5 and 50 Kg

**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@kian.it](mailto:safety@kian.it)

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.

**EQUIPMENT**

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