



Textile Printing



TEXILAC PO, PO-E & PO-E SF

Code N° 16----

PRODUCT DESCRIPTION

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

APPLICATION FIELDS

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

APPLICATION PROCESS

Substrates	<ul style="list-style-type: none"> • Cotton 100% • Cotton mixed with synthetic fibres The substrates may be white or coloured
Th/cm	Max: 62 Th/cm (160 Th/inch)
Emulsion	<ul style="list-style-type: none"> • ZERO - IN ASTRA • ZERO - IN UNIVERSAL PLUS
Squeegee	Squeegee edge and hardness depending on the desired final effect
Curing	130°C - 160°C for 3 minutes
Thinner	In case, max 2% Water
Thickening agent	In case, max 5% TEXILAC ADDENSANTE 162
Pigments	<ul style="list-style-type: none"> • TEXILAC COLORANTI (max 5%) • ECOTEX P PIGMENTI (max 5%) To be used with: <ul style="list-style-type: none"> • TEXILAC PO TRASPARENTE • TEXILAC PO-E TRASPARENTE • TEXILAC PO-E SF TRASP.
Retarder	5% TEXILAC RITARDANTE
Fixing agent	In case, 2% ECOTEX FIX 50
Cleaning	Water or SCREENCLEAN ST
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

- Good opacity onto dark fabrics
- Bright chromatic range
- Good mechanical resistance

PREPARATION:

Ready-to-use ink.

For large weft fabrics, it is possible to dilute with water in the maximum percentage of 5%.

The addition of white spirit in the maximum percentage of 5% allows to improve the printability features.

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

The addition of **ECOTEX P PIGMENTI** or **TEXILAC COLORANTI** does not change the ink rheology.

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.

This ink is not indicated for wet-on-wet printing.

CURING:

Curing must take place into oven at 160° 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.

- **Home washing fastness** = 130°C for 3 min.
- **Dry cleaning fastness*** = 160°C for 3 min.

* Except for the products of the series **TEXILAC PO-E SF** that do not resist dry cleaning.

NOTE:

TEXILAC PO-E e **TEXILAC PO-E SF** are particularly elastic (indicated for Lycra fabrics, used for swimsuits and sports clothes) if cured into oven at 150°C for 3 minutes. A curing at a higher temperature causes a loss in elasticity.



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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 different curing time.

PRODUCT RANGE

9 BASE COLOURS OF THE SERIES TEXILAC PO-E:

CODE	TEXILAC PO-E	PACKAGE
168303	VERDE VITTORIA	1 and 5 Kg
168304	BLU ESPERIA	1 and 5 Kg
168305	BLU OLTREMARE	1 and 5 Kg
168308	ROSSO	1 and 5 Kg
168312	GIALLO LIMONE	1 and 5 Kg
168313	GIALLO CROMO	1 and 5 Kg
168316	BLU SCURO	1 and 5 Kg
168321	BLU BRILLANTE	1 and 5 Kg
168324	NERO	1 and 5 Kg

4 WHITES:

CODE	TEXILAC	PACKAGE
168301	PO-E BIANCO	1, 5 and 50 Kg
168331	PO-E SF BIANCO	1, 5 and 50 Kg
167101	PO BIANCO	1, 5 and 50 Kg
168501	PO EXTRA BIANCO	1, 5 and 50 Kg

3 TRANSPARENTS:

CODE	TEXILAC	PACKAGE
167100	PO TRASPARENTE	1, 5 and 50 Kg
168300	PO-E TRASPARENTE	1, 5 and 50 Kg
168339	PO-E SF TRASPARENTE	1, 5 and 50 Kg

EQUIPMENT

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

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.