



TEXPRINT

Code: AM1002

PRODUCT DESCRIPTION

Opaque water based ink for textile printing. Ready to use. Ecological.

APPLICATION FIELDS

Water based ink indicated for:
textile direct printing on light and dark fabrics, ready-to-wear or pre-cut articles. Suitable for cotton, jersey, lycra and other natural and synthetic fabrics.

GENERAL & TECHNICAL FEATURES

- High opacity on dark substrates
- Excellent printability
- Soft touch
- Low tack
- No drying on the screen
- PVC, formaldehyde and phthalate free
- Heavy metal free
- APEO free
- Soluble in water
- Complies with **OEKOTEX STANDARD 100**
- Complies with all most restrictive ecological regulations in textile market

PREPARATION

Ready to use. **TEXPRINT** can be diluted with **TEXPRINT THINNER** (maximum percentage of 5%) for a better

stability on the screen especially in case of hot room temperature.

PRINTING

TEXPRINT standard colours can be printed with screens up to 90 mesh (th/cm).

In order to obtain the best colour opacity and brightness, during printing, it is recommended to adjust the out of contact, the inclination and the pressure of the squeegee at their best.

For the best opacity of **TEXPRINT** standard colours it is suggested to use a 60/65 shores squeegee.

CURING

To achieve the best washing resistance, it is necessary to dry **TEXPRINT** in the oven at 160°C for 2-3 minutes.

RANGE

TEXPRINT range is composed by:

1. **TEXPRINT BIANCO LIGHT (LIGHT WHITE)**
Screens up to 120 mesh (th/cm).
2. **TEXPRINT BIANCO EXTRA (EXTRA WHITE)**
Screens up to 55 mesh (th/cm).
3. **TEXPRINT BASE COPRENTE (OPAQUE BASE)**
Screens up to 55 mesh (th/cm).
4. **TEXPRINT EXTENDER BASE (SEMI-OPAQUE BASE)**
Screen up to 90 mesh (th/cm).



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Amex srl gives the a/m suggestions as guidelines for the customer and assumes no liability direct or indirect for any improper use. It is the user's responsibility to determine the suitability of the product to the intended use according to working conditions.

5. TEXPRINT TRASPARENTE (TRANSPARENT BASE)

Screens up to 120 mesh (th/cm).

6. TEXPRINT COLORATI (STANDARD COLOURS)

Screens up to 90 mesh (th/cm).

CLEANING

Wash tools with water.

STORAGE

If stored in its original container at a temperature between 10°C and 25°C **TEXPRINT** will preserve its features for at least 1 year from the date of production.

PACKING

5 – 20 KG WHITES.

5 – 15 KG COLOURS AND OTHERS.

Other packages on request.

ADDITIVES

TEXPRINT THINNER

Thinner. It helps to improve the printability and to thin the ink reducing the viscosity.

It also helps to prevent and slow the drying of the ink on the screen.

(Maximum percentage of 5%)

TEXPRINT RITARDANTE

Retarder. It helps to prevent and slow the drying of the ink on the screen.

(Maximum percentage of 5%)

TEXPRINT RITARDANTE GEL

Retarder. It helps to prevent and slow the drying of the ink on the screen. Thanks to its “gel form” it does not reduce the viscosity.

(Percentage between 2% and 5%)

TEXPRINT ADDENSANTE W

Thickener. It helps to increase the ink viscosity. We suggest to use a mechanical mixer to disperse the additive uniformly on the whole mass of the product.

(Percentage between 0,5% and 3%)

TEXPRINT ADDITIVO E

It helps to improve the elasticity of the water based ink.

(Percentage of 5%)

TEXPRINT ADDITIVO S

It helps the “wet on wet” printing system. It helps also to slow the drying of the product on the screen.

(Maximum percentage of 5%)

TEXPRINT ADDITIVO AL

It helps to avoid the transfer of stamping foil.

(Percentage between 5% and 15%)

TEXPRINT FISSATORE

Fixing agent. It helps to increase the solidity of the water based pigments and the washing resistance.

(Percentage between 2% and 3%)

TEXPRINT CATALIZZATORE UNIVERSALE

Catalyst/Hardener. It helps to increase general washing resistance of the water based inks.

(Percentage between 1% and 5%)

TEXPRINT CATALIZZATORE EXTRA

Catalyst/Hardener. It allows to achieve the washing resistance of the water based inks without the polymerization in the oven. It helps also to increase the washing resistance of the inks with standard curing in the oven.

It doesn't reduce the pot life of the ink when mixed.

(Maximum percentage between 5% and 10%)

NOTE

Before using the ink in production, it is necessary to make some tests in order to evaluate if the product satisfies the requirements.

It is also important to check the curing conditions; the addition of additives could require a longer or a shorter curing time. Squeegees, screens and other tools must be cleaned well in order to avoid any possible contamination.

In order to avoid a quick drying on the screen:

- Print and lay on the screen an appropriate quantity of ink.
- In case of long breaks, cover the stencil on the screen with the ink. Eventually spray small quantities of water before starting again.
- Nebulize water in order to compensate the loss of humidity.



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