

Textile Screen

Inks

NYLOTEX NXI

One Pack/Two- pack screen inks for Nylon & Synthetic fabrics

Features

- Good Opacity.
- Excellent Flexibility.
- Excellent Adhesion.
- Lead free pigmentation.
- Excellent wash fastness

Nylotex NXI screen inks are specially for printing onto nylon and synthetic fabrics - including many which have been treated for water resistance.

**TEST INKS ON SUBSTRATES
BEFORE PRODUCTION RUN**

SERICOL
More than ink...Solutions.
FUJIFILM

Drying

Air dry: 15-30 minutes followed by racking overnight.

Convection oven, infrared or heated wicket conveyor dryer: 100 C for two minutes.

Thinning & Washup

For maximum opacity, print unthinned.

If necessary, thin with up to 10% SS 805 Nylo Thinner.

For extreme hot shop conditions, add up to 10% SS 806 or SS 807 Retarder.

If Printing or Transferring on to a Stretchable fabric, add up to 10 to 15% of ZEI 02 Retarder, which will impart flexibility.

Wash up with SS 639 Universal Screen wash.

Mesh

For optimum opacity: Nos.62T.

For fine details: Nos. 90T.

Stencil Type

Most solvent resistant.

Recommend: Dirasol 916.

Coverage

Up to 26m²/ltr.

Fabrics

Most grades of nylon, polyesters and other synthetic fabrics.

Colour Range

14 intermixable colours.

IMPORTANT

Stir well before every use. Users should satisfy themselves of ink and fabric compatibility to ensure adhesion and fastness requirements are met, by testing under production conditions, prior to commencing a full production run.

NB Catalyst

Nylox NXI can be used as a simple one-pack system but for more demanding requirements, NB386 NB Catalyst is available to improve adhesion and fastness properties and to decrease the possibility of adhesion deterioration over a period of time.

Catalysed inks have a pot life of approximately 8 hours. Estimate the amount of ink required for a day's work and thoroughly mix the ink base and catalyst in the following ratio:

Nylox NXI Ink 20 parts by weight
NB Catalyst 1 part by weight

Catalysed ink left over at the end of the printing run should be discarded.

Adhesion

Nylox NXI inks have good adhesion and flexibility on many fabrics, which have been treated for water resistance. Some fabrics may be finished or impregnated with particular waterproofing agents that may impair adhesion, even after considerable periods from printing.

For maximum adhesion to be obtained and maintained, it is recommended to catalyse the ink before use. Where lower opacity is tolerable, further improvements to adhesion can often be achieved by printing at a lower viscosity to aid penetration into the fabric.

In some cases, incompatibility between ink and fabric may lead to reduced tear resistance in the printed area - especially if uncatalysed ink is used on very lightweight fabrics..

Fastness

Uncatalysed inks have excellent wash fastness to I.S.O. Test No. 1 (40°C) and the United Kingdom Home Laundering Consultative Council Recommendation Nos. 5.6 and 7 (40°C).

Catalysed inks have excellent wash fastness to I.S.O. Tests Nos. 3 (60°C) and 4 (95°C) as well as the United Kingdom Home Laundering Consultative Council Recommendation Nos. 2 and 3 (60°C) and 1 (95°C).

The fastness properties will vary depending on the fabric and whether catalysed or uncatalysed ink is used.

Work wear Emblems

Catalysed Nylox NXI inks can be used to produce durable workwear transfers or badges capable of withstanding high temperature industrial wash processes. See Product Information sheet 'Sericol Textile Transfer Systems' for full details.

Sportswear Transfers:

Nylox NXI inks, when backed up with adhesives (TJ-452-Phthalate free or TO-458- PVC/Phthalate free) and dye blocking silvers, can be used to produce sportswear transfers on previously sublimated materials including football shirts, cycle wear etc. See product information sheet 'Sericol Textile Transfer Systems' for more details.

Standard Colours:

NyloTex NXI:

| | |
|-------------------------|--------------------|
| NXI 001 | Black |
| NXI009 | Dense Black |
| NXI 021 | White |
| NXI 042 | Light Chrome |
| NXI 045 | Yellow |
| NXI 043 | Mid Chrome |
| NXI 064 (S) | Seritone Yellow GS |
| NXI 101 | Light Orange |
| NXI 114 (S) | Seritone Orange |
| NXI 162 (S) | Light Red |
| NXI 134 | Red |
| NXI 163 (S) | Seritone Red YS |
| NXI 164 (S) | Seritone Red BS |
| NXI 124 | Deep Red |
| NXI 165 (S) | Seritone Magenta |
| NXI 154 | Fuchsia |
| NXI 127 | Deep Violet |
| NXI 166 (S) | Seritone Violet |
| NXI 227 | Light Blue |
| NXI 212 | Blue |
| NXI 230 (S) | Seritone Blue |
| NXI 320 | Green |
| NXI 325 | Seritone Green |
| NXI 381 | Extender Base |
| Metallic Colours | |
| NXI 475 | Metallic Gold |
| NXI 476 | Metallic Silver |

(S) = Seritone base colours

Available in 1 Kg

Additives

NB 386 NB Catalyst

Available in 1 Ltr and 0.2 Ltr containers

ZEI 811 Hold Out Additive

Available in 0.2 Kg container

ZEI 812 Thixotropic Additive

Available in 0.2 Kg container

ZEI 01 Flexibility Additive

Available in 1.0 Kg containers.

Thinners

SS 805 Nylo Thinner

SS 806 Nylo Retarder

SS 807 Nylo Extra Slow Reducer

ZEI 02 Retarder

Available in 1.0 Kg container.

Ancillary Products

During printing, fabrics have to be held to the table by means of pressure sensitive adhesive so that good definition is obtained.

FlashFix and T-Fix Extra Spray Adhesive or Drystick Extra are suitable for this purpose. (See relevant Product Information Sheets).

Fujifilm Sericol India Pvt Ltd

- Has certification to the international Environmental Standard,ISO 14001
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reduce waste through better use of raw materials, energy, water, re-use and recycling

Safety and Handling

Nylotex NXI Inks:

- Are formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.
- Are formulated free from lead and other heavy metals and is tested to comply with the EN71-3: 1995 Toy Safety Standard.
- Should be stored away from heat.

NB Catalyst:

- Contains isocyanate and should not be used by persons suffering from bronchitis or asthmatic symptoms.

Comprehensive information on the safety and handling of Nylotex NXI screen inks and solvents is given in the appropriate Sericol Safety Data Sheet, available upon request.

Environmental Information

Nylotex NXI inks & NB catalyst:

- Does not contain ozone-depleting chemicals as described in Montreal Convention.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations