

Nylotex NX One/Two-pack Screen Inks

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

Main Characteristics

| Drying | Thinning & Wash-up | Mesh | Stencil Type | Coverage & Mesh No. | Fabrics | Colour Range |
|--|--|---|---|--|---|--------------------------|
| Air dry: 15-30 minutes followed by racking overnight. Convection oven, infra-red or heated wicket conveyor dryer: 100°C for two minutes. | For maximum opacity, print unthinned. If necessary, thin with up to 10% ZE805 Nylo Thinner For extreme hot shop conditions, add up to 10% ZE806 Nylo Retarder. Wash up with ZE805 Nylo Thinner, Seriwash Universal Screenwash or Actisol Superjet Screen Spray. | For optimum opacity: Nos. 43-62T monofilament. For fine detail: Nos. 77-110T monofilament. | Most solvent resistant. Recommend: Dirasol 916 | Up to 26m ² /ltr. No. 62 | Most grades of nylon, polyesters and other synthetic fabrics. | 14 intermixable colours. |
| Properties Good Opacity. Excellent Flexibility. Excellent Wash Fastness. Excellent Adhesion. Lead-free Pigmentation. | | | | | | |

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

Nylotex NX 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:

| | |
|----------------|--------------------|
| Nylotex NX 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

Nylotex NX 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.

Standard Colours

Nylotex NX:

| | |
|-------|---------------|
| NX001 | Black |
| NX021 | White |
| NX042 | Light Chrome |
| NX045 | Yellow |
| NX043 | Mid Chrome |
| NX101 | Light Orange |
| NX162 | Light Red |
| NX134 | Red |
| NX124 | Deep Red |
| NX154 | Fuchsia |
| NX127 | Deep Violet |
| NX227 | Light Blue |
| NX212 | Blue |
| NX320 | Green |
| NX381 | Extender Base |

Available in 1 ltr containers, except NX001 & NX021 - available in 1 and 5 ltr and NX381 - available in 5 ltr containers only.

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Additives

NB386 NB Catalyst

Available in 1 ltr and 0.2 ltr containers.

ZE811 Hold Out Additive

Available in 0.2 kg containers.

Solvents

ZE805 Nylo Thinner
ZE806 Nylo Retarder

Available in standard 25, 5 and 1 ltr containers.

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

Safety and Handling

Nylotex NX 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 to the EN71-3: 1988 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 NX screen inks and solvents is given in the appropriate Sericol Safety Data Sheet, available upon request.

Environmental Information

Nylotex NX Inks and NB Catalyst:

- Do not contain ozone depleting chemicals as described in the 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 our 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.

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