



## 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.**

### 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.

**In some cases, incompatibility between ink and fabric may lead to reduced 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.

### Addition of Universal Tinters

Universal Tinters (UTs) can be used to improve colour strength.

**However additions of greater than 5% can lead to a significant reduction in adhesion properties.** All additions must be fully tested before commencing production.

### Workwear Emblems

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

### Sportswear Transfers

Nylotex NX inks, when backed up with appropriate adhesives and dye blocking silvers, can be used to produce sportswear transfers on previously sublimated materials such as football shirts and cycle wear etc. See product information sheet 'Fujifilm Textile Transfer Systems' for more details.

## Main Characteristics

### Drying

Air dry: 15-30 minutes followed by racking overnight.  
Convection oven, infra-red or heated wicket conveyor dryer:  
100°C for two minutes.

### Thinning

For maximum opacity, print unthinned. If necessary, thin with up to 10% ZE805 Nylo Thinner. For extreme hot shop conditions, thin with up to 10% ZE806 Nylo Retarder.

### Wash up

Wash up with ZT639 Screen Wash Universal or Actisol Superjet Screen Spray.

### Mesh

For optimum opacity: Monofilament 43-62  
For fine detail: Monofilament 77-100

### Stencil Type

Most solvent resistant direct stencil materials are suitable  
Recommend: Dirasol 916

### Coverage & Mesh No.

Up to 26m<sup>2</sup>/ltr. No. 62 Monofilament.

### Fabrics

Most grades of nylon, polyesters and other synthetic fabrics.

### Colour Range

15 intermixable colours.

### Properties

Excellent Flexibility. Excellent Wash Fastness. Excellent Adhesion.  
Good Opacity. Lead-free.

### 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 full production runs.**

