Nori-Tex
Water-based Textile Screen Printing Ink

**Area of Application**

Water-based screen printing ink for printing on non-finished cotton and cotton blends.

**Ecological Information**

Nori-Tex conforms to the requirements on the substances listed in appendices 4 and 5 of the Oeko-Tex® Standard 100 (Product Class I to IV).

**Color Shades**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
<td>777</td>
<td>Nori-Tex Silver</td>
</tr>
<tr>
<td>076</td>
<td>Nori-Tex Colorless</td>
</tr>
<tr>
<td>878</td>
<td>Nori-Tex Gold</td>
</tr>
<tr>
<td>878/004</td>
<td>Nori-Tex Copper</td>
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</tbody>
</table>

Coarse effect pigments like mica, glitter and so on should be processed with binder Nori-Tex 076.

Further colors are available in the water-based ink line AquaTex C. Please pay attention to the Technical Information “AquaTex C”

**Note**

Textile fabrics have different weaving structures and may be starched which may reduce the ink’s adhesion and the ink’s fastness. In the same way, finishes may lead to yellowing when exposed to heat. Preliminary tests for this reason are necessary on cotton fabrics as well as on synthetics.

**Printing**

Nori-Tex can be printed by hand and also on every screen printing machine in direct contact to the substrate.

In addition, please refer to our technical leaflet “Printing with Water-based Screen Printing Inks” which may be downloaded from our website [www.proell.de](http://www.proell.de), click Downloads ⇒ Water-Based Screen Printing Inks ⇒ Printing with Water-Based Screen Printing Inks.

**Fabric**

Depending on the motives and the substrate to be printed, polyester fabrics with 27 to 61 threads/cm (70 to 156 threads/inch) are recommended.

**Stencil**

Water resistant emulsions must be used. Excellent results during long production runs are achieved by using Pröll Diazo Emulsion Norikop 6 GT. Sufficient drying of the emulsion is essential, residual moisture before exposure reduces print run resistance. The exposure time should be as long as possible.

**Drying and Fixing of the Ink**

Copper-, Silver-, Gold- and Effect Colors contain large pigment particles, which may be abraded during washing. Therefore it is recommended to use 3 % of Crosslinker plus heat setting (5 – 10 minutes at 150°C / 300 °F) after evaporation of the water.
Nori-Tex

Heat Setting:
For heat setting also infrared dryers can be used. Ironing presses and irons are suitable as well. However, it must be taken into consideration that the hot ironing area must cover the printed area during the whole curing time. Before heat setting, synthetics as well as natural fibres should be checked regarding their temperature resistance.

Washing Instructions
It is recommended to wash textiles, which are printed with metallic and effect color shades, on the left side. Washing temperatures max. 40 °C (100 °F). Fixed prints with Nori-Tex can be cleaned chemically.

Cleaning of Screens and Utensils
Wet ink residues on the screen can be removed with water. Waste water should not be poured into the sewage, because the inks contain small amounts of white spirit. Slightly dried ink is removed either with Aqua-Jet® Liquid Cleaner L 47603 or Cleaner Concentrate 6953, (see Technical Information „Cleaner Concentrate 6953“). Avoid eye and skin contact with alkaline cleaners, use personal protective equipment (e.g. gloves and glasses).

Disposal
Before pouring waste into the sewage, it should be pretreated according to state-of-the-art technology.

Safety precautions – General indications:
When working with chemicals, the usual safety precautions are to be observed. These are besides the rules of the Accident Prevention & Insurance Associations a good ventilation of the work place as well as good skin care and protection.

Auxiliaries
The textile ink Nori-Tex is supplied press ready.

The following auxiliaries can expand the area of application:
Nori-Tex may be thinned with water. Addition of 15 – 20 % of water may light up the color.

Aqua-Jet® Retarder VZ 100
Adding max. 5 % reduces drying in the screen.

Crosslinker WB 001
Adding 3 % results in a very good wash resistance.
Pot life of Nori-Tex with Crosslinker: 8 hours. After expiry of the pot life ink – Crosslinker-mixtures should not be used any longer.

Shelf Life
The shelf life stated on the label assures the ink’s quality and refers to unopened original cans stored in a dry place at temperatures between 5 °C (40 °F) and 25 °C (75 °F).
Close ink containers immediately after use.
Inks mixed with Crosslinker should be stored by cool temperature and processed within 8 hours.
Important

Allow the ink as well as all the auxiliaries to be added to adjust to room temperature in the closed container before use.

Printing results, to a large extent, depend on the substrate as well as the printing and application conditions. We recommend checking your printing materials under your conditions of use prior to any production runs. Materials that are supposed to be identical may vary from manufacturer to manufacturer and even from batch to batch. Some substrates may have been treated with or can contain sliding agents, antistatics or other additives which will impair the adhesion of the inks.

In general please refer to our technical leaflet “General Information on Screen Printing Inks” which may be downloaded from our website www.proell.de, click Downloads ⇒ Water-Based Screen Printing Inks.