



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

777 Nori-Tex Silver 878 Nori-Tex Gold 878/004 Nori-Tex Copper
076 Nori-Tex Colorless

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, 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.

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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 lighten 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.

The information contained in the technical information/instruction sheets or other product information sheets is based on product testing conducted by Pröll. Because printing and environmental factors critically affect each individual ink application, the above mentioned information and instructions represent only general recommendations concerning product characteristics and directions for use and should not be construed as representing express warranties regarding the product. The information and instructions in no way release the purchaser from his obligation to verify and test the inks and their application for the specific request, regarding: product characteristics, weather resistance, mixing proportions, gloss, thinning, special mixtures, printability, drying speed, cleaning, effects on or of other materials to be contacted and safety precautions. All details contained in the instruction sheet "General Information on Screen Printing Inks" are to be considered. The further manufacture and use of products containing our inks by the purchaser takes place beyond our control, and the responsibility for further application and use of our product resides solely with the purchaser. Pröll disclaims any warranties, express or implied.

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