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Norifin® PP N

Screen and Pad Printing Ink

Area of Application and General Characteristics

Physically drying one-component solvent based ink system for printing on untreated polypropylene.

Norifin® PP N is also suitable for printing on polycarbonate, acrylic glass, paper and cardboard. In these cases resistance pretests are necessary.

Norifin® PP N does constitutionally not contain any pigments based on toxic heavy metals (DIN EN 71, part 3).

Adhesion

The ink's adhesion depends to a decisive degree on the quality of the polypropylene substrate, i.e. on production methods, mixture of compounds and possible contaminated surface areas caused by lubricants or exuding components.

Important

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 before performing 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 contain sliding agents, antistatics or other additives which may impair the adhesion of the inks.

Important
(Continued)

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 Download ⇒ Screen Printing Inks ⇒ General information on screen printing inks.

Finish

Satin gloss finish, whereby the level of gloss is influenced by the surface structure of the substrate.

Range of colors

- 1) Basic Colors (see current price list) – for the "Pröll Matching System". Please see the corresponding Technical Information.
- 2) Standard Colors (see current price list) – higher opacity.
- 3) Process Inks (see current price list) – transparent for trichromatic printing.

Thinning

Screen Printing: About 10 – 15 % Thinner Norifin® PP N 090 or Retarder VZ 2 or Retarder Paste VZ4-P depending on printing conditions.

About 5 % for White Opaque 944.

Process Ink: About 20 % Process Thinner Norifin® PP N.

Pad Printing: About 20 % Thinner Tampo-Jet SK 090, Thinner Norilit® U 090, Retarder VZ or Retarder VZ 2 (evaporation speed from fast to slow)

Special Colors: Please refer to the label on the can for thinner quantity.

Fabric

Please use fabrics not coarser than 120 threads/cm (305 threads/inch) in order to receive good adhesion.

Stencil

Solvent resistant emulsions must be used. Excellent results during long production runs are achieved by using Pröll emulsion Norikor 2 FP.

Drying	Norifin® PP N is fast drying due to the evaporation of solvents.
Further Directions for Processing	The resistance of the printed ink films can be improved by adding 10 % Hardener PUR®-ZK No. 2 or Hardener PUR®-ZK No. 1.
Cleaning	Screens and utensils can be cleaned with UNI-CLEANER FP61 or UNI-REIN A III.
Shelf Life	<p>Allow the ink as well as all the auxiliaries to be added to adjust to room temperature in the closed container before use.</p> <p>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).</p>

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.

This information supersedes all previous technical information.