



NoriProp N

Screen Printing Ink and Pad Printing Ink

Area of Application and General Characteristics

Physically drying one-component screen and pad printing ink for printing on untreated and pre-treated polypropylene.

The adhesion of the ink film depends on the quality of the polypropylene, i.e. on the method of manufacture, the composition of the compound and, in particular, any surface impurities caused by mold release agents or exuding ingredients.

NoriProp N is also excellently suitable for pad printing.

NoriProp N shows comparatively good resistances to hand perspiration and creams.

Pad printing applications:

- medical devices (e.g. syringes and bags. Generally: Medical devices not intended to be used within or in contact with the body)
- office supplies, writing instruments
- advertising material

Pad printing processing:

The ink is easily processable, regardless of whether the machine is equipped with an open well or closed cup.

- conventional pads and clichés can be used
- excellent printing properties and detail reproduction

Finish

Glossy. The gloss level is influenced by the surface structure of the substrate.

Color Shades

Basic Colors for the Pröll Matching System	093	Colorless	368	Red Transparent	669	Green Transparent
	102	Citron	429	Red Violet	945	White
	104	Yellow* ¹	467	Pink Transparent	948	Black
	207	Orange* ¹	472	Violet		
Standard Colors	312	Red	566	Blue Transparent		
	770	Silver	944	White Opaque		

Thinning

Screen Printing: Thinner M 216
Thinner S 402 or Retarder Paste VZ4-P or a corresponding mixture
Addition: approx. 15 – 20 %

Pad Printing: Thinner F 001 (very fast)
Thinner F 002 (fast)
Thinner M 202 (medium)
Addition: approx. 20 – 25 %

*¹ = Not to be used for printing on soft PVC or plastics containing high amounts of plasticizers.
Not suitable for vacuum forming.

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Fabric

In order to achieve good adhesion, fabrics not coarser than 120 threads/cm (305 threads/inch) are recommended.

Stencil

Solvent resistant emulsions must be used. Excellent results during long production runs are achieved by using Pröll Diazo-UV-Polymer Emulsion Norikop 10 HQ.

Drying

NoriProp N dries physically by evaporation of solvents. Depending on the substrate or the number of layers printed, drying at room temperature can take up to several days, until final scratch resistance is achieved. Temperatures of 50 – 60 °C (120 – 140 °F) and using a tunnel dryer or a drying oven are recommended as final adhesion will be attained faster.

Further Directions for Processing

Adhesion and resistance of the printed ink films can be improved by adding 10 % Hardener 002.

Overprinting

Overprint Varnish NoriProp N 093 Colorless

Cleaning of Screens and Utensils

UNICLEANER FP 61 and UNI-REIN A III

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).

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 ⇒ Solvent-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.

This information supersedes all previous technical information.