



# Norifin® PP N

## Screen Printing Ink 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 pre-tests are necessary.

### 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.

### Finish

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

### Color Shades

<b>Basic Colors for the Proell Matching System</b>	093 Colorless	368 Red Transparent	669 Green Transparent
	102 Citron	429 Red Violet	945 White
	104 Yellow* <sup>1</sup>	467 Pink Transparent	948 Black
	207 Orange* <sup>1</sup>	472 Violet	
	312 Red	564 Blue Transparent	
<b>Standard Colors</b>	101 Yellow Light	520 Ultra Blue	628 Green Light
	115 Yellow Dark	521 Blue Medium	734 Silver
	209 Orange	522 Marine Blue	944 White Opaque
	315 Red Medium	523 Blue Dark	
	417 Violet	627 Green Loud	
	518 Blue Light		

### Thinning

Screen printing: Thinner F 008  
Thinner S 402 or Retarder Paste VZ4-P depending on printing conditions  
Addition: approx. 10 – 15 %  
for White Opaque 944: approx. 5 %

Pad printing: Thinner F 002 (fast)  
Thinner M 202 (medium)  
Thinner M 203 (slow)  
Thinner S 402 (very slow)  
Addition: approx. 20 %

### Fabric

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

\*<sup>1</sup> = 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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### 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

Norifin® PP N is fast drying due to the evaporation of solvents.

### Overprinting

Overprint Varnish Norifin® PP N 093 Colorless

### Cleaning Screens and Utensils

UNI-CLEANER FP61 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 ambient 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](http://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.

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