



# Norifin<sup>®</sup> 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<sup>®</sup> 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	733	Silver
	209	Orange	522	Marine Blue	836	Brown
	315	Red Medium	523	Blue Dark	944	White Opaque
	417	Violet	615	Green dark		
	518	Blue Light	627	Green Loud		

### 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.

### 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.

### Other Directions for Processing

The resistance of the printed ink films can be improved by adding 10 % Hardener 002 or Hardener 001.

### 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 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](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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