



# Noriprint® PS

## Screen Printing Ink

### Area of Application and General Characteristics

**Very fast drying screen printing ink for printing on polystyrene, ABS and SAN. Further, it is suitable for other thermoplastics such as PVC, polycarbonate and for printing on paper and cardboard. Printed on thermoplastic substrates, Noriprint® PS withstands thermoforming.**

For printing on soft plastics or Chromolux-type paper or cardboard, preliminary tests are required, especially for overlapping multicolor printing.

### Weather Resistance

Noriprint® PS shows average weather resistance. Please ensure an adequate thickness of the ink film, we recommend a printing mesh of 77 threads/cm (195 threads/inch). High concentration of white may cause chalking in case of unfavourable outdoor conditions.

In addition, White Opaque 944 shall not be used for outdoor applications.

### Finish

Satin glossy

### 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	566 Blue Transparent	
<b>Standard Colors</b>	101 Yellow Light	518 Blue Light	610 Green Medium
	209 Orange	520 Ultra Blue	627 Green Loud
	314 Red Dark	521 Blue Medium	628 Green Light
	315 Red Medium	522 Marine Blue	836 Brown
	417 Violet	523 Blue Dark	944 White Opaque
<b>Process Inks</b>	156 Process Yellow	558 Process Cyan	099 Process Paste
	357 Process Magenta	949 Process Black	<i>for adjusting color density</i>
<b>Special Colors</b>	371 Red Transparent	734 Silver	

### Matting

For a matt finish we recommend 1 – 4 % Matting Agent 2009.

Matted ink films are not as weather resistant as original color shades.

### Thinning

Thinner M 211

Thinner S 405 or Retarder Paste VZ4-P or a corresponding mixture.

Addition: approx. 20 – 30 %

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

## Fabric

All usual screen printing fabrics and mesh counts are suitable.

## 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

Noriprint® PS dries very rapidly in air or in tunnel dryers by solvent evaporation.

The drying time depends on substrate, mesh count, air quantity exchange in the tunnel dryer and air temperature. With so many parameters influencing the drying process, no universally valid drying time estimates can be provided.

In general, dryers with a good air exchange and low temperatures produce better drying results than those working with poor convection and high temperatures.

## Overprinting

Overprint Varnish Noriprint® PS 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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