



# Noristar PG

## Screen Printing Ink

### Area of Application and General Characteristics

**Noristar PG is a high gloss screen printing ink and suitable for printing on (rigid) PVC, polycarbonate, polystyrene, ABS and SAN. The ink dries very fast.**

After preliminary tests, Noristar PG may also be used on other thermoplastics such as soft PVC or acrylics. Prints with Noristar PG on thermoplastic materials withstand thermoforming.

Noristar PG is also suitable for cellulose materials such as paper, paperboard and cardboard. Preliminary tests are required for printing on glossy chromo cardboard, particularly when printing overlapping colors.

#### Important note:

Noristar PG is a "silicone free" ink system. Even minimal residues of silicone oils (components of defoamers and screen inks) will cause fish-eyes and pinholes. Take care to use absolutely clean equipment for preparation of the printing mixtures along with well degreased fabrics for the printing process.

### Weather Resistance

Noristar PG 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

High gloss

### Color Shades

<b>Basic Colors for the Pröll 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* <sup>2</sup>	566	Blue Transparent		
<b>Special Colors</b>	371	Red Transparent	740	Silver Bright Glossy		
	701	Silver Glossy	801	Gold Glossy		
	320	Bright Red* <sup>2</sup>				

For illuminated advertising applications (second surface printing on PMMA sheets), solely Special Color 320 Bright Red shall be used, if a red shade is to be printed.

### Matting

Matting Agent 2009; addition depends on desired matting level (see corresponding Technical Information).

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

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

\*<sup>2</sup> = Mono-pigmented special color shade 320 should be used for outdoor applications.

## Noristar PG

### Thinning

Thinner M 211  
Thinner S 405, Retarder Paste VZ4-P or a corresponding mixture  
Addition: approx. 20 – 25 %

### 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

Fast drying in the air and in tunnel dryers by evaporation of the solvents.

Drying depends on the printed substrate, the thickness of the printed ink film as well as on the circulation and the temperature of the air in the tunnel dryer. In general, dryers with high air performance and low temperatures produce better drying results than dryers working with little air and high temperatures.

### Overprinting

Overprint Varnish Noristar PG 093 Colorless

### Cleaning of Screens and Utensils

UNICLEANER 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.

Results, to a large extent, depend on the substrate as well as the printing and application conditions. We recommend checking your substrate 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.

This information supersedes all previous technical information.