



# NoriCard SG

Screen Printing Ink for Printing Signature Areas on ID and Credit Cards

## Area of Application and General Characteristics

The NoriCard SG product line comprises solvent-based screen printing inks to produce smear proof, writeable signature fields on cards. Suitable substrates are cards made of PVC or PC as well as UV lacquered cards.

NoriCard SG is available in the color shades Colorless Turbid, White Opaque and White High Opaque. The dried NoriCard SG ink films are writeable with felt tip or ballpoint pens.

## Range of Colors

NoriCard SG	Color Shade	Characteristics	Substrate
093/001	Colorless Turbid	quick drying of signature	PVC, PC
093/003	Colorless Turbid	more transparent NoriCard SG 093/001	PVC, PC
945/001	White Opaque	very fast drying of signature	PVC
945/002	White Opaque	for cards printed with UV lacquer; requires preliminary testing!	UV lacquer
944	White High Opaque	good reproduction of details, excellent hiding	PVC

## Lamination

Printed on PVC, the signature field inks NoriCard SG 093/001 and NoriCard SG 945/001 can be laminated at 140 °C (285 °F) without adhering to the press plate. Hence, PVC overlay films can be printed prior to lamination.

## Processing Parameters

NoriCard SG	Mesh	Thinner	
093/001	100-40	press-ready	
093/003	100-40	press-ready	
945/001	100-40	press-ready	
945/002	100-40	Thinner M 215 Thinner M 203 Retarder Paste VZ4-P	Addition: 20 %
944	100-40	Thinner M 204	Addition: 10 %

## 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.

## NoriCard SG

### Drying

NoriCard SG dries physically by evaporation of the solvents. Drying time must be checked individually according to drying conditions (tunnel dryer or rack drying) to avoid blocking of the printed films.

### Cleaning Screens and Utensils

UNI-CLEANER FP61, UNI-REIN A III

### Shelf Life

The shelf life stated on the label assures the product'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 product 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.

Before starting a production run, it is necessary to test samples of each newly designed part systematically with regard to the specifications for the intended use (e.g. climatic chamber, resistance, etc.).

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.