



Norilit® CS

Screen Printing Ink and Pad Printing Ink

Area of Application and General Characteristics

Norilit® CS is a solvent-based ink system, which is mainly used for printing on lacquered and powder-coated sheet metal, UV-lacquered substrates and lacquered wood. Additionally, good results are provided, when screen printing on paper, paperboard and card-board. The screen printing ink is characterized by good screen open time, fast drying and good blocking resistance.

For outdoor use Norilit® CS shows medium resistance which is strongly dependent on the quality of the substrate.

Finish

Satin glossy

Color Shades

Basic Colors for the Proell Matching System	093 Colorless	368 Red Transparent	669 Green Transparent
	102 Citron	429 Red Violet	941 Blending White
	104 Yellow* ¹	467 Pink Transparent	951 Blending Black
	207 Orange* ¹	472 Violet	
	312 Red	566 Blue Transparent	
Standard Colors	944 White Opaque	945 White	948 Black

Please note:

Since color shade 948 Black is rather transparent, we recommend using 951 Blending Black, especially for pad printing.

White Opaque 944 and White 945 shall not be used for outdoor applications due to their high pigment load.

Thinning

Screen printing: Thinner M 215
Thinner M 203, Thinner S 402, Thinner S 404 or a corresponding mixture
Addition: approx. 10 %

Pad printing: Thinner F 001 (very fast)
Thinner F 002 (fast)
Thinner M 202 (medium)
Thinner M 203 (slow)
Addition: approx. 20 %

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.

*¹ = Sensitive to temperature – do not stove dry.

Drying

Norilit® CS dries physically by solvent evaporation.

Drying at increased temperatures:

White: max. 80 °C (176 °F)

Colors: max. 100 °C (212 °F)

can improve adhesion and scratch resistance on problematic substrates.

Other Directions for Processing

Auxiliaries from any other Pröll ink systems such as AZ-Additive 9524, process paste, matting agent and thinner paste cannot be used with the ink type Norilit® CS.

Overprinting

Overprint Varnish Norilit® CS 093 Colorless

Cleaning Screens and Utensils

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, 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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