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Sorte P

Screen and Pad Printing Ink

Area of Application and General Characteristics

Sorte P is a glossy screen and pad printing ink. Sorte P is used to print on polystyrene, styrene copolymers as ABS and SAN, acrylics and polycarbonate. This ink system is particularly suitable for materials which are sensitive towards solvents and stress cracking.

Sorte P is inapplicable for printing on plasticized PVC. Contact of the printed ink film with plasticized materials has to be avoided, too.

Sorte P does constitutionally not contain any pigments based on toxic heavy metals (DIN EN 71, part 3).

Important

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 before performing 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 contain sliding agents, antistatics or other additives which may 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 Download ⇒ Screen Printing Inks ⇒ General information on screen printing inks.

Finish	High gloss finish.
Range of Colors	The Basic Colors for "The Pröll Matching System" are available (see the corresponding Technical Information). For other Standard Colors to be delivered from stock, please refer to the valid price list.
Thinning	<u>For Screen Printing:</u> about 20 % Thinner P 090, P 090/001 (very mild) or Retarder VZ, P 097 or Retarder Paste VZ4-P <u>For Pad Printing:</u> about 30 % Thinner 6601, Tampo Jet SK 090, Norilit® U 090 or Retarder VZ (from very fast to slow) <u>Special Colors:</u> Please refer to label on the can for thinner quantity.
Screen	Sorte P can be processed using all sorts of conventional screen fabrics.
Stencil	Solvent-resistant emulsions or capillary films must be used. Good run resistance is achieved by using Pröll emulsions Norikop 2 FP, Norikop 7 S, Norikop 7 SD or Norikop 8 HR.
Weather Resistance	Sorte P is weather resistant. Please note that the quality of the substrate and the dry film thickness influence the fastness of the ink. For a sufficient thickness of the ink layer a screen fabric 77-55 (195 threads per inch) or coarser is recommended. On rigid substrates overprinting is advised additionally.
Matting	Matting Agent 2009
Overprinting	As overprinting lacquer we recommend Sorte P 093 Lacquer, MZ-Lacquer 093 or MZ-Lacquer 093/000.

Cleaning

Screens and utensils should be cleaned with UNI-CLEANER FP61 or UNI-REIN A III.

Shelf Life

Allow the ink as well as all the auxiliaries to be added to adjust to room temperature in the closed container before use.

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).

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.