



Color-Jet®

Screen Printing Ink

Area of Application and General Characteristics

Color-Jet® is suitable for printing on rigid and soft PVC, acrylics, polycarbonate and pre-treated polyester.

Weather Resistance

Printed on suitable substrates Color-Jet® shows very good weather resistance. To ensure outdoor durability, a mesh of at least 81 threads/cm (206 threads/inch) should be used. High concentration of white may cause chalking in case of unfavourable outdoor conditions.

Finish

Glossy

Color Shades

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

Mattierung

Matt Paste 098: Addition 10 – 20 %

or

Matting Agent 2009: Addition 1 – 3 %

Depending on the desired matting level.

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

Thinning

Thinner M 204

Thinner M 203

Thinner S 404

Retarder Paste VZ4-P or a corresponding mixture.

Addition: 10 – 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.

Drying

Color-Jet® dries by solvent evaporation. Tunnel dryers may be used.

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

Other Directions for Processing

For printing fine lines, we recommend to add approx. 10 % thickening paste Crystal Paste 077.

Overspraying (for rigid Substrates)

Spray Lacquer 096 with Thinner F 002. Adjust spraying viscosity with DIN-4 cup to 16 – 18 sec. flow time.

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, 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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