



P.O. Box 4 29
D-91773 Weissenburg i. Bay.
Germany
Phone: +49 9141 906-0
Fax: +49 9141 906-49
E-mail: info@proell.de
Internet: www.proell.de

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 treated Polyester.

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.

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 ink in a mixture can cause chalking when this mixture is used for outdoor purposes.

Finish Glossy.

Matting Matt Paste 098: addition of 10 – 20 %
or
Matting Agent 2009: addition of 1 – 3 %
depending on the desired matting level. Matted ink films are not as weather resistant as original color shades.

Range of Colors **Basic Colors for Pröll's Matching System:**

<u>Color-Jet® Color Number</u>	<u>Color Shade</u>
093	Colorless
102	Citron
104	Yellow*
171	Yellow Transparent
207	Orange*
312	Red
368	Red Transparent
429	Red Violet
467	Pink Transparent
472	Violet
566	Blue Transparent
669	Green Transparent
945	White
948	Black

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

Thinning	<p><u>Screen printing:</u> Thinner 2090 Retarder VZ Retarder K 097 Retarder Paste VZ4-P or a corresponding mixture Quantity: 10 – 20 % by weight</p> <p><u>Special Colors:</u> Please refer to label on the can for thinner quantity.</p>
Drying	Color-Jet® dries by solvent evaporation. Tunnel dryers may be used.
Other Directions for Processing	For printing fine lines, we recommend to add approx. 10 % Thickening Paste Kristallpaste 077.
Overprinting	Overprinting Varnish MZ-Lacquer 093 (for hard substrates).
Overspraying (for hard substrates)	Spray Lacquer 096 with Spray Thinner 095. Adjust spraying viscosity with DIN-4 cup to 16 – 18 sec. flow time.
Cleaning	Screens and equipment can be cleaned with UNI-CLEANER FP61 or UNI-REIN A III.
Shelf Life	<p>Allow the ink as well as all the auxiliaries to be added to adjust to room temperature in the closed container before use.</p> <p>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).</p>

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.