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JET[®] 200

Area of Application and General Characteristics

**Fast drying screen printing ink for printing on plasticized and unplasticized PVC, VC copolymers, artificial leather, acrylics, polycarbonate and after preliminary testing on polystyrene.
When printing on thermoplastics, JET[®] 200 withstands thermoforming.**

JET[®] 200 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 sliding agents or antistatic 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.

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| Weather Resistance | <p>The weather resistance of screen printing inks is influenced by the substrate. In general, prints on cheap films are less suitable for outdoor use than prints on quality films.</p> <p>Prints for outdoor use have to be printed with a mesh of 77 threads/cm (195 threads/inch) or coarser.</p> <p>High concentration of white may cause chalking in case of unfavourable outdoor conditions.</p> |
| Finish | <p>JET® 200 dries satin glossy. The gloss is influenced by the structure of the substrate.</p> |
| Matting | <p>Add 5 – 10 % Matting Paste 098 depending on the desired matting level.</p> |
| Range of Colors | <p>The Basic Colors for “The Pröll Matching System” are available (see the corresponding Technical Information).</p> <p>For other Standard Colors to be delivered from stock, please refer to our current price list.</p> <p>In case a higher opacity is required the standard colors are more suitable for mixing, however, at expense of the ink brilliance.</p> |
| Thinning | <p>Best printing results are achieved by using Thinner Paste 94. Addition depends on printing jobs, in case of colored shades 30 %, in case of black up to 40 %.</p> <p>Other thinners:</p> <p>Mainly Thinner 2090 or Ce-Jet® 90.</p> <p>As retarders for JET® 200 the Retarders VZ or K 97 can be used.</p> <p>According to the printing job the printing viscosity is adjusted with approx. 20 % thinner or a mixture of thinner and retarder whereas the portion of Retarder VZ 2 should not exceed 5 % due to its extremely slow drying.</p> <p>Retarder Paste VZ4-P is suitable, as well.</p> <p><u>Special Colors:</u> Please refer to label on the can for thinner quantity.</p> |

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| Mesh | All fabrics commonly used in screen printing are suitable for printing JET® 200. |
| Stencil | Solvent-resistant emulsions or capillary films must be used. Excellent results during long production runs are achieved by using Pröll emulsions Norikop 2 FP, Norikop 7 S, Norikop 7 SD or Norikop 8 HR. |
| Drying | Fast drying in the air and in continuous dryers. Drying time depends on the substrate, the mesh fineness, the air exchange rate in the continuous dryer and the air temperature, so no universally valid values can be stated. In general, dryers with high air exchange rate and low temperatures produce better drying results than those working with low air exchange rate and high temperatures. |
| Overprinting | JET® 200 can be overprinted with a lot of clear varnishes for example MZ-Lacquer 093/000. |
| Overspraying | For overspraying Spray Lacquer 096 is recommended. |
| Cleaning of Screens and Utensils | Screens and utensils are cleaned with Pröll Uni-Reiniger, UNI-REIN A III or UNI-CLEAN A III. |
| Shelf Life | Allow the ink to adjust gradually to room temperature 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.