



Thermo-Jet® Universal-Fluorescent Inks

(loud fluorescent color shades)

Area of Application and General Characteristics

Thermo-Jet® Universal-Fluorescent Inks are suitable for indoor use and short term outdoor use. Appropriate substrates are, for example, rigid and soft PVC, artificial leather, acrylic glass, polycarbonate, ABS, paper, cardboard or wood.

Thermo-Jet® Universal-Fluorescent Inks must be printed on a white background. Thermoplastics which have been printed with Universal-Fluorescent Inks withstand thermoforming.

Light and Weather Resistance

Due to the limited light fastness of the pigments contained in Thermo-Jet® Universal-Fluorescent Inks, these inks are not weather resistant. Not even several coats of overprint varnish will noticeably improve the color stability of fluorescent inks.

In order to maintain sufficient brilliance and medium-term light fastness, a mesh of 77-55 threads/cm (195 threads/inch) or coarser should be used.

Finish

Matt finish

Color Shades

| | | |
|--------------------------------------|-----------------------------------|------------------------------|
| 180 Fluo Yellow* ¹ | 285 Fluo Red Orange* ¹ | 482 Fluo Pink* ¹ |
| 284 Fluo Orange Yellow* ¹ | 386 Fluo Red* ¹ | 683 Fluo Green* ¹ |

Thinning

Screen printing: Thinner M 204
Thinner S 407, Retarder Paste VZ4-P, Thinner S 404 or Thinner S 402 or a corresponding mixture
Addition: approx. 20 – 30 %

Pad printing: Thinner F 001 (very fast)
Thinner F 002 (fast)
Thinner M 202 (medium)
Thinner M 203 (slow)
Thinner S 402 (very slow)
Addition: approx. 30 – 40 %

Spraying: Thinner F 002

Fabric

All usual screen printing fabrics are suitable. The mesh count should not be higher than 77-55 threads/cm (or 195 threads/inch).

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 = Not in stock, manufactured on request.

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Pad Printing

The fluorescent color shades can be pad printed as well. However, in order to achieve sufficient brilliance, a comparatively thick layer (which corresponds to a multiple print) is necessary.

Drying

Thermo-Jet® is a physically drying ink system which dries by evaporation of the solvents in a jet dryer. Rack drying is possible.

Cleaning Screens and Utensils

UNI-CLEANER FP61 or 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 ambient 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.

This information supersedes all previous technical information.