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Universal- Fluorescent Inks

Screen Printing Ink with High Brilliancy

Area of Application and General Characteristics

Universal-Fluorescent Inks are suitable for indoor use and short term outdoor use. The solvent-based inks are used to print on paper, cardboard, rigid and soft PVC, acrylics, polycarbonate, polystyrene and styrene copolymers. The suitability for extruded acrylic glass, extruded polystyrene and chromo cardboard must be determined by precise and adequate testing.

Universal-Fluorescent Inks must be printed on a white background. In order to maintain sufficient brilliancy and light fastness over longer periods of time, a mesh of 77-55 (195 threads/inch) or coarser should be used. Thermoplastics which have been printed with Universal-Fluorescent Inks withstand thermoforming.

Universal-Fluorescent Inks do 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

Matt finish

Range of Colors	<u>Universal- Fluorescent Inks</u>	<u>Color</u>
	180	Fluo Yellow
	284	Fluo Orange Yellow
	285	Fluo Orange
	368	Fluo Red
	482	Fluo Pink
	683	Fluo Green

Thinning Thinner 2090 or Thinner Ce-Jet® 090, Retarder VZ or Retarder K 097.
For spraying: Spray Thinner 095.

Special Colors: Please refer to the label on the can for thinner quantity!

Drying Universal-Fluorescent Inks dry very quickly in tunnel dryers or at room temperature.

Overprinting MZ-Lacquer 093 or MZ-Lacquer 093/000

Stencil Solvent resistant emulsions must be used. Excellent results during long production runs and stencil stability is achieved by using Pröll emulsion Norikop 8 HR.

Weather Resistance Due to the limited light fastness of the pigments contained in 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.

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

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.