



Tampo-Jet® GMI

Two-Component Pad Printing Ink



Area of Application and General Characteristics

Two-component pad printing ink for the decoration of glass, metal* and coated metal substrates after pre-tests.

This organic pad printing ink system for indoor application provides very high resistance to aqueous household cleaners, hand and machine dishwashing detergents as well as to chemicals and solvents like aliphatic and aromatic hydrocarbons, alcohols, greases and oils.

*Especially in the case of metals, there is a vast amount of materials of different composition. Therefore, preliminary tests concerning adhesion on the particular substrate are inevitable.

Color Shades

- 132** Yellow High Opaque
- 232** Orange High Opaque
- 332** Red High Opaque
- 523** Blue Dark
- 532** Blue High Opaque
- 669** Green Transparent
- 945** White
- 948** Black

- 770** Silver
- 861** Rich Gold



Tampo-Jet® GMI 770 may be used to mix gold and other metallic colors.
Further color shades are available on request.

Mixing Ratio

Prior to printing, Tampo-Jet® GMI has to be mixed homogenously with **2 % Adhesion Promoter 101**.
Then the mixture has to be diluted to print viscosity with **Thinner F 002** or **Thinner F 012** (cyclohexanone free).

Thinning

Thinner F 002
Thinner F 012 (cyclohexanone free)
Addition: 25 – 40 %

Pot Life

The mixture of ink and hardener must be processed **within 8 hours**. Consequently, the quantity of the mixture should be limited in accordance with the amount which is necessary for the printing job.

Cliché

All standard clichés for pad printing are suited.

Pad

All standard pads for pad printing (6 – 20 Shore A) are suited.

Drying

The following temperatures and drying times are recommended: 20 – 30 min / 180 °C (356 °F)

Remark

A cleaned and degreased surface of the substrate is of decisive importance regarding adhesion and resistance of the baked ink layer. When cleaning, please consider that standard (glass) cleaners often leave residues of wetting agents on the surface which may impair the adhesion of the ink specially when exposed to mechanical stress or to steam (e.g. dew).

Cleaning of Clichés 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 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.

Before starting a production run, it is necessary to test samples of each newly designed part systematically with regard to the specifications for the intended use (e.g. climatic chamber, resistance,).

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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