

No-Tox[®] MEDICAL DEVICE POLYOLEFIN INKS

(PAD OR SCREEN PRINTING)

*NT12
(12/09)*

- Printing Method:** Either pad or screen printing depending on diluents and diluted viscosity.
- Suggested Uses:** Specifically designed for medical device items such as catheters, tubing, solution bags, syringe barrels or similar items made from low or high density polyethylenes and/or polypropylene and some modified polyolefins. For optimum adhesion and scuff resistance properties, the items must be corona treated (40 dynes/cm² minimum) prior to printing.
- Specific Characteristics:** A one-part, air dry or heat assisted curing system exhibiting excellent adhesion and scuff resistance to corona treated polyethylene and polypropylene. Unaffected by alcohols and ethylene oxide, steam, or gamma sterilization.
- Equipment Requirements:** *Pad printing:* compatible with all types of pad printing equipment provided pads are elastomeric materials resistant to glycol ether and aromatic solvents. *Screen printing:* nylon screens are normally acceptable. Squeegees should be made from glycol ether or aromatic solvent resistant materials. Natural or synthetic rubbers are normally acceptable. Mesh size dependent on print and end-use requirements.
- Additives and Diluents*:** Both pad print and screen print versions of these inks are normally supplied at higher than “press-ready” viscosities to allow for viscosity and drying adjustment at press-side.
- Recommended Solvents:** The following solvents and blends are intended only as a guide. Other diluents and/or ratios may be better suited for your specific application. For additional assistance, contact our Technical Services Department.
- Normal: 100% Propylene Glycol N-Butyl Ether (Glycol Ether PB).
 Fast: 100% Glycol Ether PM.
 Slow: 100% Butyl Carbitol[®] (Glycol Ether DB).
- Wash Up:** Any of the glycol ether solvents recommended as solvents are suitable.
- Color Availability:** Black, blue, red, yellow and white. Matched colors may be available, but are subject to minimum order requirements.
- Shelf Life:** Minimum one year in unopened containers.
- FDA Acceptability*:** All components used in No-Tox inks are sanctioned by the FDA and USDA as acceptable for direct food contact. All medical device inks can be submitted to the FDA for inclusion in Colorcon No-Tox Products’ Drug Master File #17155 and are manufactured under strict cGMP guidelines in our dedicated facility.

*Note: FDA acceptability is based on the ink as supplied. Therefore, no materials should be added other than those indicated in this bulletin unless specifically recommended by Colorcon.