

No-Tox[®] MEDICAL DEVICE WATER-BASED INKS

(PAD OR SCREEN PRINTING, OFFSET-GRAVURE)

NT35
(12/09)

- Product Type:** Water-reducible, specially modified, acrylic polymer system.
- Printing Method:** Pad Printing, Screen Printing and Offset-Gravure.
- General Description:** One-part, air-dry or heat-assist curing ink systems exhibiting excellent printability and adhesion to uncoated/coated papers, Tyvek[®], corona treated polyethylene and polypropylene, styrene, aluminum foil and other porous and non-porous substrates.
- Note:** Formulated as an environmentally-safe alternative to solvent-based inks. Can be formulated to comply with Federal and State VOC Emission Standards.
- Suggested Uses:** Specifically designed for medical device items such as catheters, syringe barrels, solution bags, pipettes and medical grade tubing. Exhibits good resistance to ethylene oxide (EtO) and gamma radiation sterilization.
- Equipment Requirements:** Compatible with all state-of-the-art printing equipment. Metal, natural rubber, photopolymer or silicone rubber plates, pads and/or squeegees are unaffected by these inks. Nylon screens are also acceptable for screen printing.
- Additives and Diluents*:** Normally supplied at higher than “press-ready” viscosities to allow for diluent and drying adjustment flexibility at press-side. Press-ready inks can be supplied at your request.
- Recommended Solvents:** The following materials and blends are intended only as a guide. Other diluents and/or ratios may be better suited for your specific application. Since water-based systems are sensitive to diluent shock, never add alcohol alone. Blend alcohol with water first and add slowly under agitation. Our Technical Service department can provide technical assistance.
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| Normal: | 100% Water |
| Fast: | 80% Water
20% Ethyl or Isopropyl Alcohol |
| Slow: | 100% Propylene Glycol |
- Shelf Life:** Minimum of one year in unopened containers.
- Color Availability:** White, black, red, yellow, and blue. Matched colors may be available subject to minimum order quantities.
- 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 other materials should be added, other than those indicated in this technical data sheet, unless specifically recommended by Colorcon.