

No-Tox[®] WATER-BASED INKS (FLEXOGRAPHIC/GRAVURE)

NT23
(12/09)

- Product Type:** Water reducible, modified acrylic polymer
- Printing Method:** Flexographic or Gravure
- Stocks:** All types of FDA acceptable uncoated/coated papers, WOGR, Tyvek[®], polyethylene, polypropylene, acrylic and Saran[®] (PVDC) coated polypropylenes, some cellophanes, Mylar[®], and aluminum foils.
- Suggested Uses:** Labels, coupons, promotional inserts, and flexible packaging which will be in direct contact with foods, pharmaceuticals, or medical products.
- Note:** If printed material is to be used in contact with aqueous or fatty foods, thorough end-use testing should be completed in advance. Contact our Technical Services Department for additional information and assistance.
- Plates and Rollers:** All natural and synthetic rubber plates and rollers, and photopolymer plates.
- Additives and Diluents:*** Normally supplied at higher than “press-ready” viscosities to allow for diluent and drying adjustment flexibility at press-side.
- 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.
- | | |
|---------|------------------------------------|
| Normal: | 100% Water |
| Fast: | 80% Water
20% Isopropyl Alcohol |
| Slow: | 80% Water
20% Propylene Glycol |
- Special Handling**
1. pH: Due to volatility of amines used, pH may drop during extended runs resulting in an increase in viscosity and poor print quality. Therefore, check and adjust pH to 8.5-9.5 by adding 28% aqueous ammonia or household non-sudsy ammonia. A small amount of ammonia can cause substantial changes in pH. Add only a small amount at a time, mix and recheck pH. Do not add excess.

2. Viscosity: Increases in viscosity can occur during extended runs as a result of evaporation of amines, water or alcohol solvents in ink. First check pH and adjust as described above. Then check viscosity and adjust as necessary with recommended diluents. Note: Use a fountain cover, if possible, to reduce loss of amines, water and solvents.

3. Clean Up: Remove ink from fountain and rinse all parts with warm water. If ink has dried, use a mixture of water with a small amount of ammonia and alcohol. Dry parts thoroughly to prevent corrosion.

FDA Acceptability*: The FDA and USDA sanction all components used in No-Tox inks for direct food contact. See Colorcon's Guarantee for specific regulations.

*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.