

FLEXICRAFT® MED

(MED-14000 AND MED-15000 SERIES)

*FT07
(12/09)*

- Product Type:** Low viscosity, water-reducible, water-based ink.
- General Description:** MED Series inks are designed specifically for use on flexographic printing units integrated with form-fill-seal equipment. They are high gloss inks with excellent printability and stability, ideally suited for in-line printing of heat sealable lidding stocks used for medical packaging.
- Stocks:** MED inks exhibit excellent adhesion, gloss and abrasion resistance when used on TYVEK®, surgical kraft and other medical grade packaging papers.
- Note:** Plastic films (such as polyolefins, polyesters, vinyls, etc.) require drying rate modifications. Contact our Technical Service Department for information on our NPS series inks.
- Plates and Rollers:** Natural rubber, Cyrel® and other photopolymer plates and rollers are acceptable.
- Additives and Diluents**:** Normally supplied “press-ready” at a viscosity of 18-25 seconds, Zahn #2, @ 25° C. Although normally not required, the following diluents may be used to maintain viscosity or adjust drying rate, if necessary.
- 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 Service Department.
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|---------|------------------------------------|
| Normal: | 100% Water |
| Fast: | 80% Water
20% Isopropyl Alcohol |
| Slow: | 100% Propylene Glycol |
- Caution:** Never add alcohol alone. Premix with water and add slowly to ink while stirring.

***Special Handling
Procedures:***

1. pH: Due to volatility of amines used, pH may drop during extended runs resulting thickening of ink and poor print quality. Maintain pH at 8.8-9.7. Check every 2 – 4 hours with pH meter and adjust to proper range by adding 28% ammonia solution or household non-sudsy ammonia. A small amount of ammonia can cause substantial changes in pH. Add in small increments, 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 or alcohol solvents in ink. First check pH and adjust as described above. If viscosity is still too high, add diluents as recommended to bring viscosity to 18-25 seconds, Zahn #2.

Note: Use an ink reservoir or fountain cover, if possible, to reduce evaporation of volatile amines 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.

Color Availability: Provided in most PANTONE®* colors. Special colors available upon request.

FDA Acceptability**: All components of MED series inks are sanctioned by the FDA as acceptable for minimal or indirect food contact. Also meet the requirements of American National Standards Institute (ANSI) Specification Z66.1, as well as CONEG requirements, with regard to lead and other heavy metal content.

*PANTONE®, Inc.'s check standard trademark for color reproduction and color reproduction materials.

**Note: FDA acceptability is based on the ink as supplied or diluted as described in this bulletin. No other materials should be added unless specifically recommended by Colorcon.