

**Specialty Products WATER-SOLUBLE INKS**

(LETTERPRESS/DRY OFFSET)\*

IT06  
(02/12)

<b>Product Type:</b>	Modified water-soluble polymer system
<b>Printing Method:</b>	Letterpress or dry offset (sheetfed or web heatset)
<b>Suggested Uses:</b>	Designed primarily for game promotions/contests where water wash-off characteristics are required.
<b>Application Method:</b>	<p>A secret message is printed by any conventional printing process using a non-water soluble ink. For best results the message should be screened as lightly as possible to prevent see-through.</p> <p>The water soluble ink should then be printed over the message covering it and the surrounding area completely. It should be applied as heavily as possible.</p> <p>A second pass of the water soluble ink (same or different color) is applied over the first in a mottled or "Chinese" design. The mottled design helps to disguise the message further so that it cannot be detected under most conditions.</p> <p>A water wet tissue or cloth is used to "wash-off" the opaque cover ink, revealing the secret message.</p>
<b>Substrates:</b>	All types of paper stock are satisfactory. However, ink transfer and wash-off characteristics are best on coated stocks such as enamels.
<b>Plates and Rollers:</b>	All types of plates, rollers, and blankets are suitable, except those attacked by water or glycol solvents.
<b>Diluents**:</b>	Colorcon water soluble inks are generally supplied press-ready. However, propylene glycol or water may be added to reduce tack and/or retard drying if necessary.
<b>Wash-Up:</b>	Water
<b>Color Availability:</b>	Supplied in black and silver. (Metallic inks have poor shelf life and should be used immediately.)
<b>Shelf Life:</b>	Minimum one year in unopened containers.
<b>Safety**:</b>	All components used in our specialty product inks are sanctioned by the FDA and USDA as acceptable for indirect food contact applications. Additionally, these inks comply with the Consumer Product Safety Commission, Title 16 CFR, Sections 1500.17 (a) and 1500.18 with regard to lead and other heavy metals described therein. They also meet the safety specifications of US ASTM F 963 and European EN 71.

\* Note: Silk-Screen printing can be used with a suitable diluent.

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