

Cold reveal labels, body-heat activated labels and stickers and security applications are a few of the many possibilities available using CTI's Flexographic ink. If you don't see the special-effect you are looking for, give us a call anyway to see if we can create what you need.

THERMOCHROMIC INK:

These inks reversibly change color as their temperature changes. Our thermochromic inks all work the same way: below the activation temperature they are colored and above the activation temperature they are clear or lightly colored. As the ink cools, the original color returns.

Ink Formulations Offered:

- Water Based
- UV Cure

Our thermochromic inks can be modified to change at a variety of different temperatures.

•**Low Temperature Ink:** Used for applications where a product is chilled and special messaging is wanted.

Examples: Beverage labels and ice-cream packaging.

•**Body Temperature Ink:** Designed to show color at normal room temperature and to disappear or change color when warmed up. This can be done by rubbing a finger or breathing warm air on the application.

Examples: Stickers, labels and receipt tape.

•**High Temperature Ink:** This formulation disappears or changes color when heated up.

Examples: Great safety feature on labels for microwaveable products and hot beverages

Standard Temperatures: 8, 12, 15 C, 31 C (body-heat activated), and 45 C

Custom Temperatures (upon request): between -5 C and 65 C

GLOW-IN-THE-DARK INK:

CTI has a UV cure Flexographic Glow-in-the-Dark (GID) ink. We have taken the traditional GID ink to the next level by developing it for use in Flexographic printing. There are many safety and promotional applications for these inks. By using high speed printing methods you can add this very popular special effect at a low incremental cost. CTI UV Flexo inks have also been used as a spot UV coating on the back side of offset presses where a spot UV Curable coating can be applied. This is traditionally done with a raised plate and an anilox and gives a very strong glow.

Speak with CTI directly for more information on this process. For best results it is recommended that you print on a white or light background.

Ink Formulations Offered:

- UV Cure