



# ATLANTA CHEMICAL ENGINEERING

## Instructions For Use Thermochromic Fabric Paint

- The thermochromic (color changing) fabric paint is supplied as ready to use water-based material for textile substrates.
- It should NOT be diluted with water.
- The Thermochromic (color changing) fabric paint is NON-TOXIC or harmful to human health, but as a general rule, when working with paints it is recommended to wear a lab coat (or old clothes) and use gloves. Do not mix the thermochromic fabric paints of different brands or colors.
- Our thermochromic fabric paint is ideally suited for flatbed screen-printing process onto textile substrates, but a small roller or brush could be used as well.
- All fabrics must be washed prior to printing and dried WITHOUT any fabric softeners. This will assure proper adhesion of thermochromic fabric paint to the textile surface.
- We recommend our thermochromic fabric paint to be used with mesh size 110, but it is not limited to this size. If the image has fine details, then a higher number screen could be used.
- Do not allow thermochromic fabric paint to sit dormant on the screen as this will cause “drying in” the screen and affects print definition and quality.
- The reversible thermochromic fabric paints would be cured up to 160°C / 320°F no longer than 2 minutes for an immediate use or air dried for 12 hours. **Note: Higher temperatures or longer heating time may destroy the fine microstructure of the Thermochromic Screen Printing Ink.**
- **The irreversible thermochromic fabric paints should be air dried ONLY!**
- The thermochromic material should be cleaned off from the screen using water ONLY! Glycol based cleaners or any organic/inorganic solvents, bases or acids should not be used as they would damage the function of the screen. A mild water jet may be required to remove all thermochromic fabric paint remnants.

The thermochromic fabric paint should be stored away from UV light and higher temperature. Store it in a cool, dark, and dry place.

- Do not store the thermochromic fabric paint at temperatures above 77°F / 25°C.
- Do not freeze the thermochromic fabric paint.
- Shelf Life - approximately 6 months
- As the product is water based it is important to keep the containers tightly shut to avoid water evaporation.

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