



ATLANTA CHEMICAL ENGINEERING

Balancing Creativity and Functionality

Instructions for Use Thermochromic Screen Printing Ink

- Thermochromic (color changing) Screen Printing Ink is supplied as ready to use water-based material. Do not dilute!
- Screen Printing Ink is NON-TOXIC, but as a general rule, when working with Screen Printing Inks it is recommended to wear a lab coat (or old clothes), use gloves and safety glasses.
- Do not mix thermochromic screen printing inks of different brands, colors or activation temperatures.
- Our thermochromic Screen Printing Inks are ideally suited for flatbed screen-printing process onto different surfaces such as paper, cardboards, ceramics, rubbers, wood, metals, plastics, glass and many more. **For fabrics we recommend using our Thermochromic Fabric Paint, which also could be screen-printed.**
- The surface to be painted must be dry and free from dirt, oils, rust, and other contaminants.
- The recommended screen mesh size is 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 the material to sit dormant on the screen as this will cause “drying in” the screen and affects print definition and quality.
- The reversible Screen Printing Inks would be cured up to 160°C / 320°F no longer than 2 minutes for an immediate use or air dried for 12 hours.
- The thermochromic material should be cleaned off from the screen using just water.
- Glycol based cleaners or any strong 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 Screen Printing Ink material’s remnants.
- **We recommend applying clear UV protector over the painted surface once it’s completely dried.**

Store the Screen Printing Ink’s container in a cool, dark, and dry place, away from UV light. Do not freeze it!

Shelf Life – more than 12 months.

Do not freeze thermochromic screen printing ink.

As the product is water based it is important to keep the containers tightly shut to avoid water evaporation.

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