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Advanced Thermographic Technologies

ChromaZone® Epoxy Screen Ink

This is supplied as a 2 pack water based ink which is mixed immediately prior to printing. The ratio of ink to curing agent is 10 : 1. Allow to stand for 10 minutes before printing. Only mix sufficient ink for the planned print run. Pot life is 120 minutes. Water should be used for clean up.

Distilled water may be used to thin further if required. The screen can be cleaned with water and the epoxy should not be allowed to dry in the screen.

The coating thickness required will depend on the desired end effect. If total opacity is needed then a relatively coarse screen will be needed and possibly more than one print of ink with drying between prints.

On a hand bed or ¾ automatic a 77T mesh screen is recommended with a medium shore squeegee blade. On a automatic cylinder printer a 54 micron mesh should be used. It would be expected to give between 30 to 35 gsm.

The ink may be allowed to dry at ambient for 45 minutes or cured at 80C for 10 minutes.

Refer to the MSDS for safety handling details - the hardener is corrosive and care should be taken in handling this material. Use protective gloves, clothing and eye protection.