



# Technical Data Sheet

## MIL-I-43553B Epoxy Marking Ink

**PRODUCT:** A two-component, epoxy base, non-conductive, marking ink.

**Description:** MIL-I-43553B is an epoxy marking ink specifically formulated for use on metallic or other non-porous surfaces, and printed wiring boards. Type I is a general usage marking ink, and Type II is a non-conductive marking ink. This material is for spray, brush, roller, or silk screen applications.

**PROPERTIES:**

**DRYING TIME:**

TACK FREE: Within 1-1.5 Hours

STANDARD CURE TIME (ROOM TEMP): 7 Days

ACCELERATED CURE TIME (250°F): 30 Minutes

SHELF LIFE: 1 Year

POT LIFE: 7 hours

**SURFACE PREPARATION:** Surface to be coated must be clean, dry, and free of all foreign contaminants including grease, oil, dirt and paint.

**MIXING/APPLICATION INSTRUCTIONS:** Mix 6.5 parts of catalyst to 100 parts ink and let sit for an induction period of 30 minutes. After induction period, thinner may be added to achieve desired viscosity. Do not add more than 3-6% by weight for standard applications or 25-40% by volume for spray applications. Recommended cure time is 7 days at room temperature or 175°F for 90 minutes. Variations in cure schedule will affect electrical resistance properties. See Cure schedule for more curing times.

**PRECAUTIONS:**

Contents are FLAMMABLE.

KEEP OUT OF THE REACH OF CHILDREN.

Do not take internally.

Use with adequate ventilation.

Avoid contact with skin or eyes.

Read Material Safety Data Sheet before use of this product



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## RECOMMENDED CURE CURE SCHEDULE

