



# TECHNICAL DATA SHEET

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MIL-I-43553B

Epoxy Marking Ink

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**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 f[or 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, properly prepared and free of all foreign contaminants including grease, oil, dirt and paint.

**MIXING/APPLICATION INSTRUCTIONS:**

Mix 1 part of catalyst to 1 part ink and let sit for an induction period of 30 minutes. After induction period, epoxy thinner per MIL-T-81772B Type 2 may be added to achieve desired viscosity. Do not add more than 5% by volume for standard applications or 10-15% 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.

**PRECAUTIONS:**

KEEP OUT OF REACH OF CHILDREN.  
USE WITH ADEQUATE VENTILATION.  
AVOID CONTACT WITH SKIN AND EYES.  
READ MATERIAL SAFETY DATA SHEET BEFORE USING.  
CONTENTS ARE FLAMMABLE.