



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 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.

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