



# TECHNICAL DATA SHEET

TECHNICAL DATA SHEET  
MPI 77 and 82 HI-SOLIDS  
LOW VOC EPOXY TOPCOAT  
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## PRODUCT DESCRIPTION:

A two-component, hi-solids, high-build epoxy coating for spray and brush applications, furnished in a packaged kit and suitable for use under air pollution regulations. This product is Formulated for the protection against solvents and chemicals on interior and exterior surfaces. It is low "VOC" and lead/chromate free.

## TYPICAL PROPERTIES:

- (1). **COLORS**..... Full Range
- (2). **TOTAL VOLUME SOLIDS**.....80% Minimum
- (3). **SHELF LIFE**..... 1 Year From Date of Mfg
- (4). **DRYING TIME:**
  - Set-To-Touch..... Within 60 Minutes\*
  - Dry Hard..... Within 4 Hours\*
  - Dry Through..... Within 8 Hours\*
  - Full Cure.....Within 7 Days\*
- (5). **Thinner**..... MIL-T-81772B Ty.II
- (6). **Gloss Values:**
  - Gloss..... 90 minimum
  - Semi-Gloss..... 15 - 30
  - Camouflage..... 5 maximum
- (7). **VISCOSITY:** (after thinning)
  - #4 Ford Cup..... Max 50 seconds(admixed material)
- (8). **VOLATILE ORGANIC COMPOUNDS:**
  - Max "VOC"..... 186 grams/liter (1.55 pounds/gallon)
- (9). **Theoretical Coverage**..... 350-400 sq. ft./gallon

\*Dry times will vary depending on gloss, ambient and substrate temperature, and film thickness.

\*\*Hi-film thickness and/or low temperatures or ventilation will result in solvent entrapment and coating failure.



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## APPLICATION AND REDUCTION: (SPRAYING)

Each of the two components should be thoroughly mixed separately. Component B is then slowly poured into Component A with constant stirring until a three-to-one ratio by volume is achieved. Reduce the admixed material approximately one pint per gallon with MIL-T-81772B TY.II Thinner to achieve a viscosity of 16-18 seconds in a #4 Ford Cup or for proper atomization. Mix thoroughly and allow to stand one hour before using. Apply a mist coat and allow to dry 30 minutes. Apply a second coat to a total dry film thickness of 2 - 2.5 mils. It is normally applied over Hi-Solids low VOC Epoxy Primer.

## PRECAUTIONS:

USE WITH ADEQUATE VENTILATION.

AVOID CONTACT WITH SKIN AND EYES.

READ MATERIAL SAFETY DATA SHEET BEFORE USING.

KEEP OUT OF THE REACH OF CHILDREN.

FOR INDUSTRIAL USE ONLY.

CONTENTS ARE FLAMMABLE.