



TECHNICAL DATA SHEET

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A-A-59745
ZINC DUST EPOXY PRIMER
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PRODUCT: A three-component, high-solids, catalyzed epoxy zinc-dust primer that meets the spec A-A-59745.

DESCRIPTION: Intrepid's Epoxy Zinc Dust Primer is a three component chemically cured product that forms a film that is resistant to corrosion, chemicals, solvents, moisture, and abrasion. This product has excellent adhesion to most substrates and is recommended for heavy duty industrial applications where a tough, chemical resistant primer is required that protects the steel galvanically. This primer is excellent for structural steel, equipment used in heavy-duty industrial environments and other severe environments with the appropriate topcoat. May be topcoated with 2-part epoxies, polyurethanes, acrylics, vinyls and others as recommended.

PROPERTIES:

SOLIDS(Weight)..... 88 - 90
SOLIDS(Volume)..... 71 - 73%
VISCOSITY..... 80 - 95 KU
COLOR..... Gray
THINNER..... MIL-T-81772B TY.II
*COVERAGE(mixed gal)..... 250 - 275 sq.ft/gal
WEIGHT/GAL..... 19.4 - 19.8 Lbs/Gal
ZINC CONTENT(DRY FILM)..... 92 - 94% By Weight
TEMPERATURE RESISTANCE(CONTINUOUS)..... 300 Deg. F
POT LIFE(75 degrees F)..... 6 - 8 Hours**
TACK FREE..... 2 Hours**
RECOAT..... 3 Hours**
**Higher temperatures will accelerate dry times and decrease pot life, lower temperatures will lengthen cure times and slightly increase pot life.
* Theoretical coverage at 3 mils

ADVANTAGES:

- (1). Chemical Resistant
- (2). Excellent Protection
- (3). Meets ASTM Standard Tests
- (4). Abrasion Resistant
- (5). Resistant to Corrosive Fumes



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SURFACE PREPARATION: Surface to be coated must be properly prepared, clean, dry, and free of all foreign contaminants including grease, oil, dirt and old paint. Dirt and dust are best removed with a stiff bristle brush and by compressed air. Grease and oil should be removed by cleaning with appropriate solvents such as mineral spirits, lacquer wash thinner or xylene. For immersion service, ask your Griggs representative for special surface preparation recommendations. Abrasive blasting of steel surfaces is recommended per SSPC-SP-6

MIXING INSTRUCTIONS: Premix Components 1 and 2 then combine at a ratio of 4:1 by volume. Thoroughly mix and then add 24 pounds of zinc dust per 1.25 gallon kit. For example, if you mix 1 gallon Part 1 + 1 quart Part 2 then add 24 pounds of zinc dust to that mixture. Thin as necessary with MIL-T-81772B Type 2 reducer. Periodically mix during application process to ensure zinc dust does not settle to bottom of can. Use of a mechanical mixer is recommended to insure proper mixing has occurred. Recommended application method is airless spray, but small areas may be brushed. May be topcoated with epoxies, vinyls, acrylics and polyurethanes according to specific Griggs representatives recommendations.

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.