

SELECTION & SPECIFICATION DATA

Generic Type	Epoxy polyamide
Description	A two component, rust inhibitive epoxy primer with excellent high build for severe environments. This primer has excellent adhesion to steel and concrete. Four to six dry mils can be easily applied in one application.
Features	<ul style="list-style-type: none"> • Good chemical resistance • Apply in low temperatures • Non-toxic corrosion inhibitors • User friendly application properties
Color	Red (0500)
Finish	Semi-Gloss
Wet Film Thickness	6–9 mils (152-229 microns)
Dry Film Thickness	4 - 6 mils (102 - 152 microns) single coat
Solids Content	By Volume 65% +/- 2%
Theoretical Coverage Rate	1043 ft ² /gal at 1.0 mils (25.6 m ² /l at 25 microns) 261 ft ² /gal at 4.0 mils (6.4 m ² /l at 100 microns) 174 ft ² /gal at 6.0 mils (4.3 m ² /l at 150 microns) Allow for loss in mixing and application.
Dry Temp. Resistance	Continuous: 220°F (104°C)
Temperature Resistance (Immersion)	180°F (82°C)
Topcoats	Excellent basecoat for high performance paint systems. May be topcoated with epoxies, or polyurethanes. NOTE: Topcoat within 3 – 5 days @ 77°F (25°C) to be assured of good adhesion.

SUBSTRATES & SURFACE PREPARATION

General	Non Immersion Service and/or Moderate Service: Commercial Blast (SSPC-SP6-63) (Sa2)
Galvanized Steel	Acid etch with TH 950 Chemical Cleaner or Sandblast.
Aluminum	Acid etch with TH 950 Chemical Cleaner or Sandblast.
Immersion Service	Immersion Service and/or Severe Service: White Metal Blast (SSPC-SP5-63)(Sa3) Anchor Profile: 1.0-1.5 mil max

MIXING & THINNING

Mixing	Thoroughly mix using a mechanical mixer. In cooler weather 1 part catalyst. Allow an induction time of 30 minutes before application if using the catalyst.
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American EM 8301 HB Epoxy

PRODUCT DATA SHEET



MIXING & THINNING

Thinning	Thin 10-15% with thinner TH 760
Ratio	4:1
Pot Life	Mixed @ 77°F (25°C): 6-8 hours CAUTION: Elevated temperature will shorten pot life.

APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

General	Airless spray or conventional spray preferred. Can be applied with brush or roller.
Conventional Spray	Spray Pot Dual with dual Regulated Air Gauges for Pot Pressure and Atomization Air Air Supply (in): 100 psi Material Hose Diameter (ID): 1/2" (1.3 cm) Material Hose Length: 25' (7.6 m) Air Hose (ID): 5/16" (7.9 mm) Fluid Pressure: 10-25 psi Atomization Pressure: 45-70 psi Fluid Tip Orifice Size: 0.070-0.080" (1.8-2.0 mm)
Airless Spray	Pump Ratio: 28:1 Air Supply (in): 100 psi Hose Diameter (ID): 1/4" (0.64 cm) Hose Length: 100' (30.5 m) Tip Size: 0.013-0.019" (0.33-0.48 mm) Atomization Pressure: 2,200 psi

APPLICATION CONDITIONS

Condition

Do not apply if the metal temperatures are below 50°F (10°C) and/or humidity is above 85%.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Dry to Topcoat	Firm
77°F (25°C)	2 Hours	12 Hours	24 Hours

CLEANUP & SAFETY

Cleanup	Clean all equipment immediately with TH 760 Epoxy Thinner.
Safety	Keep away from heat, sparks or flame. Vapors may cause flash fire. Use with adequate ventilation. Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator during and after applications unless air monitoring demonstrates vapor/mist levels are below applicable limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

WARNING! FLAMMABLE! HARMFUL IF INHALED. CAUSES IRRITATION



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PACKAGING, HANDLING & STORAGE

Shelf Life | 1 year

Shipping Weight (Approximate) | Part A: 45.4 lbs (20.6 kg)
Part B: 8.5 lbs (3.9 kg)
UN No. 1263

Flash Point (Setaflash) | Part A: 75°F (24°C) Part B: 45°F (7°C)

WARRANTY

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