



AMERICAN COATINGS

EX SERIES EPOXY POLYAMIDE PRIMERS

High performance, rust inhibitive, epoxy primers.

GENERAL FEATURES

- TWO COMPONENT HEAVY DUTY PRIMERS
- GOOD PRIME COATS FOR HIGH PERFORMANCE PAINT SYSTEMS
- DURABLE PRIMERS UNDER INSULATION
- CONTAINS HIGH PERFORMANCE RUST INHIBITORS

DESCRIPTION

American EX Epoxy Primers are some of the most durable primers known to industry. Excellent application properties are experienced over steel surfaces. These primers have excellent adhesion to steel and concrete also.

USES

American EX Epoxy Primers are used as a base coating for high performance paint systems. They may be topcoated with Epoxies, Phenolics, Polyesters, Vinyl Esters and Polyurethanes. EX Epoxy Primers are excellent coatings under insulated surfaces.

Use EX 8300 thinned 50% with American TH 760 Epoxy thinner as a steel holding primer or as a base primer under a variety of tank lining systems. Thin mil lining systems applied over EX 8300 include, polyester, vinyl ester, epoxy phenolics, epoxies and polyurethanes. Thick mil lining systems applied over EX 8300 include 100% solids epoxy, polyesters, and vinyl esters.

Note: Topcoat within 3-5 days @ 77°F to be assured of good adhesion.

TANK LINING: EX8300 can be used as a holding primer with a 30-day re-coat window as follows:

- A. A Blast profile of 2.5-3.0 min to be achieved.
- B. Prime with EX8300 thinned 45%-50% with TH760 epoxy thinner applied at .5-1.0 mils dft.

PHYSICAL DATA

	EX 8300	EX 8250
Finish -----	Flat	Flat
Color -----	Red Oxide	Yellow
Applied Over -----	Steel	Steel
Components -----	Two	Two
Cure -----	Catalytic 4:1	Catalytic 4:1
Volume Solids ± 2% -----	61%	61%

Recommended Dry Film

Thickness -----	1 – 2 mils.	1 – 2 mils.
Number of Coats -----	One	One
Application Method -----	Spray, Brush or Roll	

Thinning Required-----	10 – 15% TH 760	10 – 15% TH 760
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Dry Time @ 77°F and 50% RH:

Touch -----	2 hrs.	2 hrs.
Through -----	4 – 6 hrs.	4 – 6 hrs.
Topcoat - -----	6 – 8 hrs.	6 – 8 hrs.

*Theoretical Coverage at:

Recommended Thickness-----	980 – 490 sq. ft/gal
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Temperature Limit

Immersed -----	175°F	175°F
Atmospheric -----	225°F	225°F

Miscellaneous Properties

Shelf Life -----	1 Year	1 Year
Pot Life – Mixed @ 77°F -----	6 – 8 hrs.	4 – 6 hrs.

SURFACE PREPARATION

Immersion and/or Severe Service:

White Metal Sandblast (SSPC-SP5-63) (Sa3)
EX 8250 is not recommended for immersion service.

Non Immersion Service and/or Moderate Services:

Commercial Sandblast (SSPC-SP6-63) (Sa2)

For Aluminum or Galvanize – Acid etch with TH 950 or Sandblast

*Coverages are theoretical and do not make provision for spray losses

EX Series

APPLICATION INFORMATION

Do not apply if temperature is below 50°F and/or above 85% relative humidity.

APPLICATION METHOD

Use Conventional Spray, Airless Spray, Brush, or Roller.

MIXING

Mix 4 parts resin (Part A) to 1 part EXP catalyst (Part B) by volume. Allow material to stand 30 minutes before thinning.

CLEAN-UP AND THINNING

Clean all equipment immediately with TH 760 Epoxy Thinner. Thin as required with TH 760 Epoxy Thinner. (Usually 10 – 15 %)

SPRAY EQUIPMENT

FOR AIRLESS SPRAY

Pump Ratio ----- 30:1
Air Supply (in) ----- 100 psi
Hose Diameter (ID) ----- ¼"
Hose Length (max) ----- 100'
Tip Size ----- .013 - .019
Atomization Pressure (psi) ----- 2,200

FOR CONVENTIONAL SPRAY

Spray Pot Dual Regulation
Separate Gauges for Pot and Atomizing Air

Air Supply ----- 100 psi
Material Hose (ID) ----- ½"
Hose Length ----- 50'
Air Hose (ID) ----- 5/16"
Fluid Pressure (psi) ----- 10 – 25
Atomization Pressure (psi) ----- 50 – 75
Fluid Tip Orifice Size (in) ----- .071

SAFETY INFORMATION

WARNING! FLAMMABLE, HARMFUL IF INHALED, CAUSES IRRITATION

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 application unless air monitoring demonstrates vapor/mist levels are below applicable limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

SHIPPING DATA

Proper Shipping Name ----- Paint Liquid
Hazard Class ----- Flammable Liquid
Flash Pt. °F SETA ----- 69°F Part A
45°F EXP Part B

UN No. ----- 1263

PACKAGING

<u>Shipping Wt.</u>	<u>PART A</u>	<u>PART B</u>
Ones 11.5 lbs.		Quarts 2 lbs.
Fives 49 lbs.		Gallons 8.5 lbs.

DISCLAIMER

The facts stated and the recommendations and suggestions herein are based upon experiments and supplier information believed to be reliable. No guarantee is made of their accuracy, however, and American Coatings ASSUMES NO LIABILITY FOR PRODUCT FAILURE OTHER THAN TO SUPPLY REPLACEMENT MATERIAL FOR PRODUCTS SHOWN TO BE DEFECTIVE WHEN DELIVERED OR TO REFUND THE PURCHASE PRICE. Except as stated, THERE ARE NO WARRANTIES, EITHER EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE. AMERICAN COATINGS SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL AND CONSEQUENTIAL DAMAGES. No statement contained herein shall be construed as an inducement to infringe existing patents or as an endorsement of specific manufacturers

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