

AMERICAN COATINGS

EF 88 SERIES HIGH BUILD PRIMER

Excellent high build, rust inhibitive epoxy primers designed for fast recoat. EF88 Series can function as a high performance basecoat as well as a mid-coat over various zincs.

GENERAL FEATURES

- EXCELLENT CHEMICAL RESISTANCE
- CURES AT LOW TEMPERATURES (32F)
- NON-TOXIC CORROSION INHIBITORS
- EXTREMELY FAST RECOAT PROPERTIES

DESCRIPTION

American EF Series High Build Epoxy Primers have been designed for high performance as well as extremely fast recoat. With the proper American Coatings System, EF 88 Series can be part of a 3-coat system applied in a single day. EF 88 Series can be applied at 4-6 dry mils to steel or concrete in one application.

USES

American EF Series primers are excellent basecoat for high performance paint systems or as a mid-coat over Zincs. EF epoxy primers may be topcoated with epoxies, or polyurethanes.

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

COLOR AVAILABLE

EF 8830 Red Oxide
EF 8841 Gray
EF 8800 Off White
EF 8820 Buff

PHYSICAL DATA

Finish -----Semi-Gloss
Colors ----- Red Oxide, Off White
Applied Over----- Steel
Components ----- Two
Mixing Ratio ----- 1:1

Volume Solids ± 2% ----- 75 %

Recommended Wet Film

Thickness ----- 5 – 8 mils

Recommended Dry Film

Thickness----- 4 – 6 mils

Number of Coats ----- One

Application Method ----- Conventional or Airless Spray

*Theoretical Coverage at ----- 201 – 300 sq. ft/gal

Thinning Required----- 10 – 15% TH 760

Approx. dry times at 50% R.H.

Temp ---- 77 F ----- 40 F ----- 32 F

Touch --- 35 min ---- 9 hrs ----- 17 hrs

Topcoat -- 2 hrs ----- 9 hrs ----- 17 hrs

Through -- 6 hrs ----- 12hrs ----- 20 hrs

Temperature Limit

Immersed ----- 140°F

Atmospheric ----- 200°F

Miscellaneous Properties

Shelf Life -----1 year

Pot Life – Mixed @ 77°F ----- 3 hrs

90 F ----- 1 hrs

SURFACE PREPARATION

Immersion Service and/or Severe Service ----- White
Metal Blast (SSPC-SP10)

Anchor Profile: 1.5- 2.0 mil max

Non Immersion Service and/or Moderate Service
Commercial Blast (SSPC-SP6)

Aluminum or Galvanize ----- Acid etch with
TH 950 Chemical Cleaner or sweep blast.

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

EF SERIES

APPLICATION INFORMATION

If possible keep material stored at 68 F or above before Using at low temperatures and high humidity

APPLICATION METHOD

Airless spray preferred. Can be applied with brush or roller using TH770 thinner.

MIXING

Thoroughly mix 1 parts A Base to 1 part EF Catalyst Part B using a mechanical mixer. No induction time is necessary.

CAUTION: Elevated temperature will shorten pot life

CLEAN-UP AND THINNING

Clean all equipment immediately with TH 760 Epoxy Thinner or TH315. Thin as required with TH 770 Epoxy Thinner.

SPRAY EQUIPMENT

FOR AIRLESS SPRAY

Pump Ratio ----- 28:1
Air Supply (in) ----- 100 psi
Hose Diameter (ID) ----- 1/4"
Hose Length ----- 100'
Hose Length (in elevated temperature) ----- 50'
Tip Size ----- .017 - .019
Atomization Pressure ----- 2,200

FOR CONVENTIONAL SPRAY

Spray Pot Dual with dual Regulated
Air Gauges for Pot Pressure and Atomization Air
Air Supply (in) ----- 100 psi
Material Hose (ID) ----- 1/2"
Material Hose Length (max) ----- 25'
Air Hose (ID) ----- 5/16"
Fluid Pressure (psi) ----- 10 – 25 psi
Atomization Pressure (psi) ----- 40 – 70 psi
Fluid Tip Orifice Size (in) ----- .070" – 80"

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 applications 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 ----- 75°F Part A
45°F Part B
UN No.----- 1263

PACKAGING

Shipping WT.	<u>PART A</u>	<u>PART B</u>
Fives-----	76 lbs	64 lbs
Ones-----	16 lbs	13 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. Rev 03/30/11