

# 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**

<b>Shipping WT.</b>	<b><u>PART A</u></b>	<b><u>PART B</u></b>
Fives-----	76 lbs	64 lbs
Ones-----	16 lbs	13 lbs

**DISCLAIMER**

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