

# AMERICAN COATINGS

## EM8333 BLACK EPOXY COAL TAR REPLACEMENT

For use in areas where coal tar epoxy is normally used. Formulated to provide corrosion protection for steel and masonry surfaces exposed to water immersion or chemical splash, spillage and fumes. Self-priming on most surfaces.

### GENERAL FEATURES

- HIGH BUILD SYSTEM
- MATERIAL VOC 0.62 LBS/GAL.
- LOW TEMPERATURE CURE
- TWO COMPONENT MODIFIED EPOXY SYSTEM
- EXCELLENT SALT WATER RESISTANCE
- VERSATILE TANK LINING

### DESCRIPTION

American EM8333 is an epoxy with good abrasion resistance and chemical resistance. Coal tar free.

### USES

Ideal for use on underground storage tanks, underground steel piping, in sewage and waste water treatment plants, petroleum refineries, chemical plants, pulp and paper mills, fertilizer plants and underground coal & salt mines. Excellent for fresh and salt water immersion on steel and concrete structures on bridges, pilings, basins, and pits.

Outperforms coal tar epoxies on improved recoatability, toxicity, film embrittlement and application properties. May be topcoated with urethanes for good appearance.

Not recommended for prolonged contact with strong oxidizing chemicals, diluted alkalis, ketones, esters, alcohols or as a tank lining for "white" petroleum spirits.

### PHYSICAL DATA

Finish ----- Gloss  
Color ----- Black  
Applied Over ----- Properly prepared steel, or concrete  
Components ----- Two  
Cure ----- Catalytic 4:1

Volume Solids  $\pm$  2% ----- 91%  
Recommended Wet Film Thickness-----22 - 27 mils  
**Recommended Dry Film Thickness** ----- 20 - 25 mils per coat  
Forty mils wet may be applied after thinning in one coat  
Number of Coats ----- One  
Application Method ----- Airless

**Thinning Required**----- 20% TH 600

Dry Time @ 77°F                      Dry time @ 40 Deg. F.

Touch -----4 hrs----- 18 hours  
Through -----7 hrs-----48 hours  
Topcoat - -----7 hrs----- 48 hours

\*Theoretical Coverage at:  
Recommended Thickness-----73 - 58 sq. ft/gal

### **Temperature Limit**

Immersed ----- 100°F  
Atmospheric ----- 150°F

### **Miscellaneous Properties**

Shelf Life ----- 1 year  
Pot Life - Mixed @ 77 °F----- 4 -5 hours

### SURFACE PREPARATION

#### **Immersion and/or Severe Service:**

White Metal Sandblast (SSPC-SP5-63) (Sa3)

#### **Atmospheric Service:**

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

#### **Oven Concrete:**

Commercial Sandblast or Chemical Clean with TH 950  
Chemical Cleaner

\* Coverage's are theoretical and do not make provision for spray losses

EM 8333

**RECOMMENDED PRIMERS**

AZ83 OR AZI76

**APPLICATION INFORMATION**

Do not apply below 40°F or humidities above 85 percent.

**APPLICATION METHOD**

Airless spray, conventional spray, brush or roll

**MIXING**

Mix 4 parts of Part A to 1 part of Part B.

**CLEAN-UP AND THINNING**

Clean up and thin with American TH 600 thinner.

**SPRAY EQUIPMENT**

**FOR AIRLESS SPRAY**

Pump Ratio ----- 30:1  
 Air Supply (in) ----- 100 psi  
 Hose Diameter (ID) ----- 1/4”  
 Hose Length ----- 50’  
 Tip Size ----- .017 - .025  
 Atomization Pressure ----- 2,400

**FOR CONVENTIONAL SPRAY**

Spray Pot Dual Regulation  
 Air Gauges for Pot Pressure and Atomization Air

Air Supply (in) ----- 100 psi  
 Material Hose (ID) ----- 1/2”  
 Material Hose Length ----- 25 - 50  
 Air Hose (ID) ----- 5/16”  
 Fluid Pressure (psi) ----- 50 psi  
 Atomization Pressure (psi) ----- 80 – 90 psi  
 Fluid Tip Orifice Size (in) ----- .086

**SAFETY INFORMATION**

**WARNING! FLAMMABLE, HARMFUL IF  
 INHALED, CAUSES IRRITATION**

Keep away from 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 ----- 80°F Part A  
 >200°F Part B

UN No.----- 1263

**PACKAGING**

<u>Shipping Wt.</u>	<u>PART A</u>	<u>PART B</u>
	Ones 9 lbs.	Quarts 2 lbs.
	Fives 46 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 constructed as an inducement to infringe existing patents or as an endorsement of specific manufacturers.