



AMERICAN COATINGS

EP SERIES GLASS FLAKE EPOXY PHENOLIC

Highly abrasive resistant, high build epoxy phenolic coatings.

GENERAL FEATURES

- HIGH PERFORMANCE TANK LINING
- SELF PRIMING
- EXCELLENT RESISTANCE TO ABRASION (CONTAINS GLASS FLAKE)
- RESISTANCE TO A WIDE RANGE OF CHEMICALS
- HIGH FILM BUILD
- CAN BE FORCE CURED

DESCRIPTION

American Coatings EP Glass Flake Epoxy Phenolics are formulated for a tank-lining product that is both self-priming and resistant to a very wide range of chemicals. EP Series Glass Flake Epoxy Phenolics can be applied to steel, galvanize, aluminum, and concrete surfaces. These products provide a system, which is an additional choice when considering conventional thin film linings and resin reinforced fiberglass linings. The coatings contain 20% glass flakes approximately 1/64" in size, and provide maximum corrosion resistance.

USES

American Coatings EP Series Glass Flake Epoxy Phenolics can be applied to the interior of piping, tanks, or vessels to protect carbon steel from a variety of chemicals. These products can also be used in select external applications that are so severe that normal conventional coatings will not perform properly.

NOTE: EP Glass Flake Epoxy Phenolic products are not light stable and are intended primarily for internal coating use. These products should always be topcoated within 24 hours @ 77° F and 55% relative humidity. For further resistance data see your American Coatings Representative.

PHYSICAL DATA

Finish ----- Semi Gloss
 Color ----- Various
 Applied Over ----- Steel, or Concrete
 Components ----- Two
 Cure ----- Catalytic 19:1

Volume Solids ± 2% ----- 61%

Recommended Dry Film

Thickness ----- 6 – 8 mils
 Number of Coats ----- Two
 Application Method ----- Conventional or Airless
 Spray, Brush or Roller

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

Dry Time @ 77° F and 50% RH:

Touch ----- 2 – 4 hours
 Through ----- 6 – 12 hours
 Topcoat - ----- 12 – 24 hours

*Theoretical Coverage at:

Recommended Thickness----- 163 – 122 sq. ft/gal

Temperature Limit

Immersed ----- 180° F
 Atmospheric ----- 250° F

Miscellaneous Properties

Shelf Life ----- 6 months
 Pot Life – Mixed @ 77° F----- 8–12 hours

SURFACE PREPARATION

Steel: Immersion Service:

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

Non Immersion Service:

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

Concrete: Chemical Clean with TH 950 Chemical Cleaner or sandblast to a 1 – 1.5 mil anchor profile

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

PRODUCTS

EP 8505 Green Glass Flake Epoxy Phenolic
 EP 8525 Gray Glass Flake Epoxy Phenolic



AMERICAN COATINGS

EP Series Glass Flake Epoxy Phenolic

APPLICATION INFORMATION

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

APPLICATION METHOD

Airless, or Conventional spray, Brush or Roller.

MIXING

Thoroughly mix Part A resin with Part B (phenolic) catalyzer using mechanical agitation.

CLEAN-UP AND THINNING

Clean up and thin with American Coatings TH 760 thinner.

SPRAY EQUIPMENT

FOR AIRLESS SPRAY

Pump Ratio ----- 30:1
Air Supply (in) ----- 100 psi
Hose Diameter (ID) ----- 1/4"
Hose Length ----- 75'
Tip Size (in) ----- .050 or greater
Atomization Pressure (psi) ----- 2,500 psi

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 ----- 50'
Air Hose (ID) ----- 5/16"
Fluid Pressure (psi) ----- 25 – 50 psi
Atomization Pressure (psi) ----- 70 – 100 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 ----- 50° F

UN No. ----- 1263

PACKAGING

Shipping Wt. PART A PART B
 Fives 52.5 lbs. Quart 2 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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