

AP-GUARD

(EP Series, American Coatings)

EPOXY PHENOLIC

Chemical resistant Epoxy Phenolic tank linings for immersion service.

GENERAL FEATURES

- HIGH PERFORMANCE TANK LINING
- SELF PRIMING
- EXCELLENT RESISTANCE TO ABRASION
- RESISTANT TO A WIDE RANGE OF CHEMICALS
- CAN BE FORCED CURED

DESCRIPTION

AP-GUARD Epoxy Phenolic products are formulated for a tank-lining product that is both self priming and resistant to a very wide range of chemicals.

AP-GUARD Epoxy Phenolic can be applied to steel, galvanize, aluminum, and concrete surfaces.

USES

AP-GUARD Epoxy Phenolic 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: Epoxy phenolic products are not light stable and are intended primarily for internal coating use. These products should always be topcoated within 24 hours @ 25°C and 55% relative humidity. For further resistance data see AVF PAINT Epoxy Phenolic chemical resistance chart.

PRODUCTS

AP-GUARD White 8510

AP-GUARD Gray 8520

PHYSICAL DATA

Finish ----- Gloss
Applied Over ----- Steel & Concrete
Components ----- Two
Cure ----- Catalytic
Mixing Ratio (by Volume): ----- 19:1
Volume Solids ± 2% ----- 70%
Recommended Dry Film Thickness ----- 100–150µ
Number of Coats ----- Two

Application Method ----- Conventional or Airless
Spray Brush or roller

Thinning Required--- 10 – 15% Thinner 290

Dry Time @ 25°C and 50% relative humidity.

Touch ----- 2 – 4 hours

Through ----- 6 – 12 hours

Topcoat ----- 12 – 24 hours

Maximum overcoat time----- 12 Days

Theoretical Coverage at:

Recommended Thickness¹----- 26–17m²/gal.

Temperature Limit

Immersed ----- 82°C

Atmospheric ----- 121°C

Miscellaneous Properties

Shelf Life: 12 months in original unopened container at 77°F (25°C). Subject to re-inspection thereafter.

Pot Life – mixed @ 25°C ----- 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 Thinner 290 or sandblast to a 25 to 38µ anchor profile.

APPLICATION INFORMATION

Do not apply temperatures below 5°C or humidity above 85%.

APPLICATION METHOD

Conventional or Airless spray preferred. Brush or roller is acceptable.

MIXING

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

CLEAN-UP AND THINNING

Clean up and thin with Thinner 290.

SPRAY EQUIPMENT FOR AIRLESS SPRAY

Pump Ratio ----- 30:1
Air Supply (in) ----- 100 psi
Hose Diameter (ID) ----- 1/4”
Hose Length ----- 100’
Tip Size ----- 0.019- 0.021
Atomization Pressure (psi) ----- 2,500

¹ Coverage are theoretical and do not make provision for spray losses.

FOR CONVENTIONAL SPRAY

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

Air Supply (in) -----	100 psi
Material Hose (ID) -----	1/2"
Material Hose Length -----	50'
Air Hose (ID) -----	5/16"
Fluid Pressure (psi) -----	25 – 50
Atomization Pressure (psi) -----	70 –100
Fluid Tip Orifice Size (in) -----	0.086

SAFETY INFORMATION

WARNING! FLAMMABLE, HARMFUL IF INHALED, CAUSES IRRITATION

Store in dry, shaded conditions away from sources of heat and ignition. 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. °C SETA ----- 10°C
UN No.----- 1263

PACKAGING

Shipping WT. (Kg)

<u>PART A</u>	<u>PART B</u>
Ones 4.8	Pints 0.5
Fives 24.3	Quart 1.0

MATERIAL SAFETY

Safety Data Sheet of the product is available on request.

For more information please contact;

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