



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 Phenolics 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% AP-THINNER 770

Dry Time @ 25°C and 50% relative humidity.
Touch _____ 2 – 4 hours
Through _____ 6 – 12 hours
Topcoat _____ 12 – 24 hours

Theoretical Coverage at:

Recommended Thickness¹ _____ 26–17m²/gal.

Temperature Limit

Immersed _____ 82°C
Atmospheric _____ 121°C

Miscellaneous Properties

Shelf Life _____ 6 months
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 AP-THINNER 950 or sandblast to a 25 to 38µ anchor profile.

APPLICATION INFORMATION

Do not apply temperatures below 5°C or humidities 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 AP-THINNER 770.

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

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

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)
AP-GUARD PART A _____ AP-GUARD PART B
Ones = 4.8 Pints = 0.5
Fives = 24.3 Quart = 1.0

MATERIAL SAFETY

Safety Data Sheet of the product is available on request.

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



AVF Paints
Antilliaanse Verffabriek B.V.

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COATINGS** 
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(EP Series, American Coatings)

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