AVF Paints
Antilliaanse Verffabriek B.V.

Manufactured under license of:
AMERICAN COATINGS
www.americancoatings.com

AP-ZINC

(AZ 76, American Coatings)

INORGANIC ZINC

Inorganic Zinc primer for heavy duty protective paint systems.

GENERAL FEATURES

- SELF CURING SOLVENT BASED INORGANIC ZINC THAT CURES RAPIDLY UNDER LOW TEMPERATURE, HIGH HUMIDITY CONDITIONS.
- SERVICE TEMPERATURES UP TO 400°C
- SUPERIOR ABRASION RESISTANCE
- EXCELLENT RESISTANCE TO SALT SPRAY
- EXCELLENT TANK LINING MATERIAL FOR FUELS AND ORGANIC SOLVENTS

DESCRIPTION

An inorganic, permanent type primer that protects steel galvanically. AP-ZINC has good application properties and prevents undercutting type corrosion. AP-ZINC is especially suitable for cool humid environments (as low as -12°C and 95% humidity). At humidities less than 50% and temperatures below 21°C allow additional curing time before topcoating.

USES

General Industrial and Marine:

AP-ZINC is a single coat 75 - 150µ coating used to protect steel surfaces subject to severe weathering and abrasion. More thickness may be required to coat old roughly pitted steel surfaces. AP-ZINC is an excellent tank lining material for fuels and organic solvents. If topcoating is required for appearance, or a permanent primer system is desired, AP-ZINC can be overcoated with phenolics, epoxies, polyurethanes, chlorinated rubber, or other heavy duty topcoats. Some topcoats may require a tie coat. If exposed to alkaline, acidic fumes, or spillage, AP-ZINC must be topcoated. When topcoating with recommended organic coatings, a thin mist coat, followed by a full application coat applied in a cross hatch method, may be required.

NOT RECOMMENDED FOR – Contact with acids, alkalies, or salts having a PH range greater than 10 or less than 5 without a suitable topcoat. Not recommended for H S environments.

PHYSICAL DATA

Finish_____Flat
Color_____Green
Applied Over_____Steel
Components_____Two
Cure_____Solvent Release and Reaction With Atmospheric Moisture
Volume Solids [1]± 2%_____68%
Recommended Dry Film Thickness_____75 - 150µ
Number of Coats_____One
Application Method_____Conventional or Airless Spray
Thinning Required_____10 – 15% AP-THINNER 600 or 620
Dry Time @ 25°C and 50% RH:
Touch_____15 – 30 minutes
Through_____8 – 12 hours
Topcoat_____12 – 16 hours
[1]Theoretical Coverage at:
Recommended Thickness[2]_____40 – 170 m²/gal.

Temperature Limit

Immerse_____Consult your AVF Paint Representative
Atmospheric_____400°C
Miscellaneous Properties %_____Zinc in the Dried Film
By Weight_____76
Shelf Life_____6 months
Pot Life – Mixed @ 25 °C 12 hours_____(less at higher temperatures)
Mix Ratio – by Weight_____1 parts A to 1.17 parts B
by Volume_____5.5 parts A to 1 parts B

TESTS	RESULTS
PENCIL HARDNESS ASTM D-3363	**HB TO H**
TAPE ADHESION ASTM D-3359	**No separation of the paint film or delamination of any square.**
ADHESION ASTM D-4541	**600 psi**
SALT FOG RESISTANCE ASTM B-117	**Passes 1000 hours with no blistering or rusting. No undercutting from the scribe.**
WEIGHT SOLIDS % ASTM D-2369	**70.6%**
OIL IMMERSION ASTM D-1308	**Passes 1000 hours**
SALT WATER IMMERSION ASTM D-1308	**Passes 1000 hours**
SLIP COEFFICEINT ASTM A-328	**Meets requirements for Class B rating.**

SURFACE PREPARATION

Immersion and/or Severe Service:

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

Non-immersion or Moderate Service:

Near White Metal Sandblast (SSPC-SP10-63) (Sa2 ½)

Non-immersion or Light Industrial Service:

Commercial Metal Sandblast (SSPC-SP6-63) (Sa2)
Maximum product performance will be achieved by abrasive blasting with 16 – 40 mesh silica sand, G-50 steel grit, or an equivalent material to obtain a 38µ jagged anchor profile. Remove all oil or grease from surfaces to be coated with clean rags soaked with Toluol.

[1] Based on ASRM Method 2697
[2] Coverage's are theoretical and do not make provision for spray losse

P.O. BOX 3944 • Astroïdenweg z/n • Curaçao • Tel: (599-9) 736-5866 • Fax: (599-9) 736-5048 • www.avfpaint.com

AVF Paints
Antilliaanse Verffabriek B.V.

Manufactured under license of:
AMERICAN COATINGS
www.americancoatings.com

AP-ZINC

(AZ 76, American Coatings)

APPLICATION INFORMATION

APPLICATION METHOD

Apply AP-ZINC by conventional or airless spray.
AP-ZINC should be applied in a single pass wet film with 50% overlap. Parallel right angle passes should be made holding the gun approximately 10 – 12 inches from the metal surface.

MIXING

Mix the vehicle portion then combine and mix as follows. Add AP-ZINC POWDER to AP ZINC LIQUID while mixing with mechanical agitation. DO NOT MIX IN REVERSE. Mix until free of lumps, then pour mixture through a 30-mesh screen.

CLEAN-UP AND THINNING

Clean all equipment with AP-THINNER 600 immediately after use. Thin up to 15% by volume with AP-THINNER 600 or AP-THINNER 620 if required.

SPRAY EQUIPMENT FOR AIRLESS SPRAY

Use a 3/8" I. D. Material Hose

Suppliers	Graco, Speed Flo, De Vilbiss
Fluid Pump	30:1
Fluid Orifice, Inches	0.025 – 0.031
Approx. Fluid Pressure, psi	1,500 – 2,000

FOR CONVENTIONAL SPRAY

Supplier	Fluid Tip	Fluid Needle	Air Cap
De Vilbiss	AV-601-E	MBC-444-E	AV-1239-2 AV-40-24
Binks # 18 Or # 19	66	65	66PA

Air to Gun	60 – 70 psi
Air to Pot	10 – 12 psi

Pot should be equipped with a mechanical agitator.

SAFETY INFORMATION

WARNING! FLAMMABLE
AP ZINC is a flammable liquid and may cause eye and skin irritation. Keep away from heat, sparks, and open flame. Keep container closed. Use only in well ventilated areas. Avoid continued breathing of vapors. Do not take internally. In case of contact, flush with copious amounts of water for at least 15 minutes and get medical attention.

SHIPPING DATA	Part A	Part B
Proper Shipping Name	Paint Liquid	Zinc Dust
Hazard Class	Flammable	N/A
Flash Pt. °C SETA	16°C	N/A
Shipping Wt(Kg)	**5 gallon**	**3 gallon**
	18.8	21
UN No.	1263	1436

PACKAGING

5 Gallon Units

Part A Vehicle	5 gallon can partially full
Part B Dust	3 gallon can of powder pre-weighted

MATERIAL SAFETY

Safety Data Sheet of the product is available on request.

[1] Based on ASRM Method 2697
[2] Coverage's are theoretical and do not make provision for spray losse

For more information please contact;
Antilliaanse Verffabriek B.V.
Asteroïdenweg z/n
Willemstad, Curacao
Tel:(5999)7365866
e-mail: info@avfpaint.com

DISCLAIMER