

**PITTSBURGH PAINTS**A new generation of paint company
for a new generation.**AQUAPON®****97-670****HPC/Industrial Maintenance****AQUAPON® Zinc Rich Primer ABC****Generic Type**

Polyamide-Epoxy, Three Component

Tinting and Base Information

97-670

Kit Code, Components A, B, Z

General Description

Sacrificial primer for sandblasted steel, especially in fresh or salt water service. This product is also recommended for field touch up of shop applied inorganic zinc primers prior to application of high performance topcoats.

Recommended Uses

Ferrous Metal

Features / Benefits

Outstanding galvanic protection due to high zinc loading.
Approved for immersion service
Use in fresh or salt water environments
Heat resistant to 500°F (316°C)

Limitations of Use

Not intended for residential use. Apply only when air, surface, or product temperatures are above 50°F (10°C) and surface temperatures are at least 5°F (3°C) above the dew point. Curing is retarded below 60°F (15°C). Maintain continuous agitation of material during application. Spray equipment hose length in excess of 25 ft. (7.62 m) and work at heights greater than 10 ft. (3.06 m) above the pump are to be avoided. For immersion service there is a 7 day minimum drying time after topcoating.

Product Data

Gloss: Matte
VOC*: 3.36 lbs/gal 403.00 g/L
Coverage: 208 to 281 sq ft/gal (19 to 26 sq. m/3.78L)
Note: Does not include loss due to varying application method, surface porosity, or mixing.
DFT: 3.0 minimum to 4.0 maximum
Weight/Gallon*: 26.4 lbs. (11.9 kg) +/- 0.5 lbs. (228 g)
Volume Solids*: 52.2% +/- 2%
Weight Solids*: 87.3% +/- 2%
Mix Ratio: Supplied as 3 components in a kit.
Clean-up: PPG 97-725 Epoxy Thinner

Results will vary by color, thinning and other additives.

*Product data calculated on mixed formula.

Drying Time:

To Touch: 1 hour
To Handle: 4 hours
To Recoat: 16 hours

Dry Time @77°F (25°C); 50% relative humidity

Pot Life: 24 hours**Induction Time:** 30 minutes**In Service Temperature:**

Dry Heat (F): 500° Dry Heat (C): 316°

Flash Point: Component A 61°F, (16°C)
Component B 57°F, (14°C)

Filing Number: F16

HPC/Industrial Maintenance

AQUAPON® Zinc Rich Primer ABC

General Surface Preparation

Remove all loose paint, mill scale, and rust. The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials.

STEEL: Non-Immersion Service -- The minimum surface preparation for ferrous metal substrates is SSPC-SP6 Commercial Blast cleaning, NACE Number 3. Service life of coating is in direct proportion to surface preparation.

IMMERSION SERVICE: White Metal Blast SSPC-SP5, NACE Number 2, is mandatory for ferrous metals. The surface to be coated must be clean, dry, and well prepared to receive the coating.

Coating Systems: 1-HD, 4-HD, 191-HD, 198-HD, 243-HD, 391-HD

Recommended Primers

none Self priming on properly prepared surfaces.

Application Information

Recommended Spread Rates:

Wet Mils :	5.7	minimum to	7.7	maximum
Wet Microns:	144.8	minimum to	195.6	maximum
Dry Mils :	3.0	minimum to	4.0	maximum
Dry Microns:	76.2	minimum to	101.6	maximum

Application Equipment: Changes in application equipment and/or tip sizes may be required depending on ambient temperatures and application conditions.

Conventional Spray: Fluid Nozzle: DeVilbiss MBC-510 gun, with 64 air cap with E tip and needle, or comparable equipment. Atomization Pressure: 55 - 70 Fluid Pressure: Can not specify, dependent on numerous factors.

Airless Spray: Pressure: 1500 psi

Brush: Not Recommended

Roller: Not Recommended.

Thinning:

Normally sprayed as mixed. Do not thin in VOC regulated areas under normal environmental and application conditions. When permitted, 97-725 Thinner may be added as required for proper atomization and to apply thinner films than the normal 3 mils dry. Do not over thin.

Directions for Use

Supplied as three components in a kit. Thoroughly mix Component "A" to suspend all pigment. Add Component "B" and stir well. Slowly add Component "Z", the zinc dust, to this mix under good mechanical agitation. As a recommended practice, when material is below 70 deg F warm the material and allow to digest 30 minutes or longer. This will facilitate mixing, application, and cure. Strain through a 60 mesh wire screen into an agitator equipped pot. Maintain mixing during application. Read all label and Material Safety Data Sheet (MSDS) information prior to use. MSDS are available through our website or by calling 1-800-441-9695.

Permissible temperatures during application:

Material:	50 to 90°F	10 to 32°C
Ambient:	50 to 100°F	10 to 38°C
Substrate:	50 to 100°F	10 to 38°C

PPG AF believes the technical data presented in this bulletin is currently accurate; however, no guarantee of accuracy, completeness, or performance is given or implied. Improvements in coatings technology may cause future technical data to vary from what is in this bulletin. For complete, up-to-date information visit our web site or call 1-800-441-9695

Packaging: 1-Gallon (3.78L) 5-Gallon (18.9L)

Not all products are available in all sizes.



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PPG Architectural Finishes, Inc.
One PPG Place
Pittsburgh, PA 15272

www.pittsburghpaints.com

Technical Services:
1-800-441-9695
Architect/Specifier:
1-888-774-7732
International Sales:
(412) 434-2049

PPG Coatings, Inc.
Coatings and Resins Group
5546 Timberlea Blvd.
Mississauga, Ontario L4W2T7
(905) 238-6441

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Additional copies of this bulletin can be obtained from our web site or by calling 1-800-428-7806.

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