



HPC/Industrial Maintenance

AQUAPON® High Build Potable Water Epoxy Coatings

Generic Type

Polyamide-Epoxy Two Component

Tinting and Base Information

95-132	White
95-133	Gray
95-138	Component B

General Description

AQUAPON® High Build Potable Water Epoxy Coating conforms to the requirements of ANSI/NSF Standard 61 for potable water tanks. Recommended for heavy duty service in moderate environments. As a high build product it can be applied up to 6.0 mils thick.

Recommended Uses

- Aluminum
- Concrete
- Ferrous Metal
- Galvanized Steel

Features / Benefits

- NSF approval for potable water tanks larger than 1000 gallons.
- White and gray colors
- High build formula
- Fully 3.5 VOC compatible
- Can be used as a primer or topcoat

Limitations of Use

Apply only when air, surface and product temperatures are above 50°F (10°C). Curing is retarded below 60°F (15°C). Surface temperature must be at least 5°F (3°C) above the dew point. The solvents contained in Aquapon® High Build Potable Water Epoxy Coatings will lift alkyd and oil based films, as well as other coatings not resistant to these solvents. Testing of a small area is recommended. These coatings are NOT recommended for use in swimming pools, or for horizontal surface immediately adjacent to pools. Not recommended for below grade application to masonry. These coatings lose gloss and will chalk on prolonged exterior exposure. However, coating performance is not affected. Not intended for residential use. Minimum tank size is 1,000 gallons.

Product Data

Gloss: Flat: Typically less than 10 (60° Gloss Meter)
VOC*: 2.53 lbs/gal 303.00 g/L
Coverage: 176 to 422 sq ft/gal (16 to 39 sq. m/3.78L)
Note: Does not include loss due to varying application method, surface porosity, or mixing.
DFT: 2.5 minimum to 6.0 maximum
Weight/Gallon*: 13.7 lbs. (6.2 kg) +/- 0.5 lbs. (227 g)
Volume Solids*: 66.2% +/- 2%
Weight Solids*: 81.5% +/- 2%
Mix Ratio: 4 parts Component A to 1 part Component B
Clean-up: 97-737 PPG Epoxy Thinner #2

Results will vary by color, thinning and other additives.

*Product data calculated on mixed 97-132

Drying Time:

To Touch:	4 hours
To Handle:	10 hours
To Recoat:	24 hours

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

Pot Life: 8 hours

In Service Temperature:

Dry Heat (F): 250° Dry Heat (C): 121°

Flash Point: 95-132 78°F, (26.5°C)
95-138 104°F, (40°C)
95-133 78°F, (25.6°C)

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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.

FERROUS METAL: Non-Immersion Service -- Minimum surface preparation for ferrous metal substrates is SSPC-SP6, commercial blast. Immersion Service -- Near-White Blast Cleaning, SSPC-SP10 is the minimum required. Two coats minimum contrasting colors are required for this application. The dry film thickness for 2 coats is 9-12 mils.

ALUMINUM: SSPC-SP1, brush blast to remove contaminants and provide an anchor pattern prior to coating.

GALVANIZED STEEL: Stabilizers on the surface of the galvanized steel must be removed by either brush blasting or chemical treatment prior to coating to promote adhesion.

NEW CONCRETE: These surfaces should be either acid etched or brush blasted prior to coating.

Recommended Primers

none Refer to Surface Preparation Recommendations.

Application Information

Recommended Spread Rates:

Wet Mils :	3.8 minimum to	9.1 maximum
Wet Microns:	96.0 minimum to	231.0 maximum
Dry Mils :	2.5 minimum to	6.0 maximum
Dry Microns:	63.0 minimum to	152.0 maximum

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

Conventional Spray: Fluid Nozzle: DeVilbiss gun, with 704 or 777 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, tip 0.015" 0.019"

Brush: High Quality Natural Bristle Brush

Roller: Not Recommended.

Thinning:

Thin up to 32 oz. per gallon with 97-737 Thinner as job conditions require. In VOC regulated areas, do not thin beyond regulations. Avoid over-thinning due to its effect upon film properties.

Directions for Use

Mix both components thoroughly before blending with a mechanical mixer. Add Component "B" to Component "A" and blend well using a mechanical mixer. A 45-minute digestion time is required once the two components are combined and mixed thoroughly. Air or airless spray is recommended. 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 130°F	10 to 54°C

PPGAF believes the technical data presented in this bulletin is currently accurate; however, no guarantee of accuracy, comprehensiveness, 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)

Quart (946 mL)

Not all products are available in all sizes.



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