HPC/Industrial Maintenance

AQUAPON® High Build Semi-Gloss Polyamide Epoxy Coatings

GENERAL DESCRIPTION

AQUAPON® High Build Semi-Gloss Polyamide-Epoxy Coatings are high build, corrosion resistant finishes that have excellent hardness, abrasion and mar resistance and outstanding adhesion qualities. They are recommended for heavy duty service in corrosive industrial atmospheres. The 97-130/97-139 are recommended for some immersion service when applied over properly prepared and primed steel. Also can be applied over hot dipped galvanized steel, aluminum, masonry, well-cured plaster, cement fiberglass composite, wood or concrete.

RECOMMENDED USES

Aluminum
Cement Block
Ferrous Metal
Galvanized Steel
Concrete, Stucco, Plaster, Masonry
Wood, Hardboard
Gypsum Drywall

FEATURES AND BENEFITS

Fully 3.5 VOC compliant
Virtually infinite color capability with PERFORMACOLOR® system
Perfect for hard use areas in corrosive industrial environments
Resistant to spills, splashes, dust or fumes from a variety of acidic and caustic chemicals
Simple 1:1 blend ratio
Meets MPI Category #108, High Build Epoxy Coating, Low Gloss

PACKAGING

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

Not all products are available in all sizes. All containers are not full-filled.

TINTING AND BASE INFORMATION

The bases are designed to be tinted with PERFORMACOLOR® colorants.

97-130	Porcelain White
97-131	Light Gray
97-137	Tint Base Comp. B Catalyst
97-139	RM Color Comp. B Catalyst
97-1200	Neutral Base
97-1212	White Base

PRODUCT DATA

GLOSS:	Semi-Gloss
	20 to 40 (60º Gloss Meter)
VOC*:	2.7 lbs./gal. (325 g/L)
COVERAGE:	153 to 229 sq. ft./gal.
	(14 to 21 sq. m/3.78L)

Coverage: Does not include loss due to varying application method, surface profile, or mixing.

WEIGHT/GALLON*:	11.4 lbs. (5.5 kg) +/- 0.2 lbs. (91 g)
VOLUME SOLIDS*:	57% +/- 2%
WEIGHT SOLIDS*:	73% +/- 2%
FILM THICKNESS:	
Dry Mils*:	4.0 to 6.0
Dry Microns:	102 to 152
Wet Mils*:	7.0 to 10.5
Wet Microns:	178 to 267
IN-SERVICE TEMPERATURE:	250ºF (121ºC) Dry Heat
	150ºF (66ºC) Wet Heat

Results will vary by color, thinning and other additives.

DRYING TIME: @ 77ºF (25ºC); 50% relative humidity.

To Touch:	2 hours
To Handle:	10 hours
To Recoat:	24 hours

Drying times listed may vary depending on temperature, humidity, color and air movement.

POT LIFE:	4 hours
INDUCTION TIME:	30 minutes
CLEAN UP:	PPG 97-725 Epoxy Thinner
FLASH POINT:	97-130 - 40ºF (4.4ºC)
	97-139 - 78ºF (25.6ºC)
	97-131 - 50ºF (10ºC)

*Product data calculated on mixed 97-130.

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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. Where appropriate bare areas should be primed with a suitable primer. WARNING! If you scrape, sand, or remove old paint, you may release lead dust or fumes. LEAD IS TOXIC. EXPOSURE TO LEAD DUST OR FUMES CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a properly fitted NIOSH-approved respirator and prevent skin contact to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the USEPA National Lead Information Hotline at 1-800-424-LEAD or log on to www. epa.gov/lead. In Canada contact a regional Health Canada office. Follow these instructions to control exposure to other hazardous substances that may be released during surface preparation.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lifting by the proposed topcoat.

FERROUS METAL: Non-Immersion Service -- minimum surface preparation for ferrous metal substrates is SSPC-SP6, commercial blast. Immersion Service: Near white blast, SSPC-SP10, and the use of the proper primer is mandatory for ferrous metals.

ALUMINUM: SSPC-SP1, brush blast to remove contaminants and provide an anchor pattern prior to coating. If the blasting is not done, the aluminum must be pretreated with POLYCLUTCH® Wash Primer, 97-687/688. Note, the POLYCLUTCH Wash Primer must dry overnight before applying the 97-130 AQUAPON® High Build Semi-Gloss Polyamide-Epoxy Coatings.

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

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

NEW WOOD: These products are self-priming. All previous coatings must be removed if repainting of wood is required.

RECOMMENDED PRIMERS

Aluminum	97-145, 97-946
Concrete Block	16-90, 97-685
Concrete, Stucco, Plaster, Masonry other than CM Unit	Self Priming
Ferrous Metal	Self Priming, 97-145, 97-673, 97-946
Galvanized Steel	97-145, 97-846
Gypsum Wallboard-Drywall	Self Priming
Wood and Hardboard	Self Priming

MIXING AND APPLICATIONS INFORMATION

Permissible temperatures during application:

Material:	50to 90ºF	10 to 32ºC
Ambient:	50 to 100ºF	10 to 38ºC
Substrate:	50 to 130ºF	10 to 54ºC

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

Spray equipment must be handled with due care and in accordance with manufacturer's recommendation. High-pressure injection of coatings into the skin by airless equipment may cause serious injury.

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" - 0.021"

Brush: High Quality Natural Bristle Brush

Roller: 3/8" nap solvent resistant core

Thinning: Ready-Mixed colors can be reduced 12 oz. per gallon with the 97-725 Epoxy Thinner for either conventional air spray or airless spray applications. Do not thin beyond regulations in VOC regulated areas.

Mix both components thoroughly before blending. Add the correct Component "B" to Component "A" and blend well using a mechanical mixer.

MIXING AND APPLICATIONS INFORMATION (cont.)

A 30 minute digestion time is required once the two components are combined and mixed thoroughly. Addition of 97-723 Accelerator is not recommended for these products. Air or airless spray is recommended. Explosion-proof equipment must be used when coating with these materials in confined areas. Keep containers closed and away from heat, sparks, and flames when not in use.

LIMITATIONS OF USE

Apply only when air, surface and product temperatures are above 50ºF (10ºC) and at least 5ºF (3ºC) above the dew point. The solvents contained in AQUAPON High Build Semi-Gloss 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. Only the 97-130, Porcelain White, or the 97-131, Light Gray should be used as linings. 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 recommended for use where the following materials create a severe exposure: Acetic Acid, Amines, Ammonium Hydroxide at concentrations over 10%, Calcium Hypochlorite Chlorinated Solvents, Chromic Acid, Formaldehyde, Hydrogen Peroxide, Hydraulic Fluids containing Phosphate Esters, PVA Latex, Silage Acids, and Sodium Hypochlorite. The Neutral Base, 97-1200, will exhibit a higher initial sheen but will reduce over time into the semi-gloss range. For Professional Use Only; Not Intended for Household Use.

SAFETY

Proper safety procedures should be followed at all times while handling this product. USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN. Read all label and Material Safety Data Sheet for important health/safety information prior to use. MSDS are available through our website www.ppghpc.com or by calling 1-800-441-9695.

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