



HPC/Industrial Maintenance

AQUAPON® Polyamide-Epoxy Coatings

Generic Type

Polyamide-Epoxy Two Component

Tinting and Base Information

Hundreds of PeforaColor® system colors can be obtained using Pittsburgh® Paints Custom Colorants

97-53	Pastel Base
97-54	Midtone Base
97-97	Component B

General Description

Recommended for heavy-duty service in corrosive industrial environments over properly prepared and primed steel, galvanized steel, aluminum, copper and brass. Also recommended for use on masonry surfaces, plaster walls, drywall construction, cement-fiberglass board, wood, and concrete block where a tough, impact resistant coating is needed. Recommended for use as a floor finish in heavy traffic and chemical spill areas.

Recommended Uses

- Aluminum
- Brass, Copper
- Copper
- Masonry
- Steel
- Wood

Features / Benefits

- Fully 3.5 VOC compliant
- Provides a chemically resistant surface over most substrates.
- Ultra durable- Can be used in corrosive industrial environments.
- Extended tint base color capability
- Tough abrasion and impact resistant coating

Limitations of Use

Avoid painting late in the day when dew or condensation are likely to form or when rain is threatening. Apply only when air, surface and 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). These products lose gloss and will chalk on prolonged exterior exposure. Film integrity is not adversely affected. The solvents in Aquapon® Polyamide-Epoxy Coatings will lift alkyd and oil based films and other coatings not resistant to solvents. These coatings are NOT recommended for use in swimming pools or other immersion service. Not recommended for below grade applications. Not intended for residential use.

Product Data

Gloss:	Gloss: +70 (60° Gloss Meter)
VOC*:	3.25 lbs/gal 390.00 g/L
Coverage:	290 to 435 sq ft/gal (27 to 40 sq. m/3.78L)
<i>Note: Does not include loss due to varying application method, surface porosity, or mixing.</i>	
DFT:	2.0 minimum to 3.0 maximum
Weight/Gallon*:	11.3 lbs. (5.1 kg) +/- 0.2 lbs. (91 g)
Volume Solids*:	54.4% +/- 2%
Weight Solids*:	71.6% +/- 2%
Mix Ratio:	1 part Comp. A to 1 part Comp. B
Clean-up:	97-725, 97-734 PPG Thinners

Results will vary by color, thinning and other additives.

*Product data calculated on mixed 97-53

Drying Time:

To Touch:	3 hours
To Handle:	8 hours
To Recoat:	16 hours

Dry Time @77°F (25°C);

Pot Life: 4 hours

Flash Point: 97-53 59°F, (15°C)
 97-97 59°F, (15°C)
 97-54 59°F, (15°C)

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.

PREVIOUSLY PAINTED SURFACES: Old coatings should be tested for adhesion of the existing system and lifting by the proposed topcoat.
STEEL: Non-Immersion Service - Surface preparation must immediately be followed by use of proper primer for surface to be coated, prior to applying this product. Service life of coating is in direct proportion to surface preparation.

HOT DIPPED GALVANIZED STEEL, ALUMINUM, AND COPPER: These surfaces must be lightly blasted to remove contaminants and provide an anchor pattern prior to coating. If the blasting is not done, these surfaces must be pretreated with Polyclutch® Wash Primer, 97-687/688. Note, the Polyclutch Wash Primer must dry overnight before application of Aquapon® Polyamide-Epoxy.

CONCRETE FLOORS: Unpainted - Freshly poured concrete must age until moisture content is less than 8% before surface preparation is done. If optimum curing conditions are not present, this time may be too short. Remove all dirt, debris, grease, oil, tar, and other contaminants by sweeping, scraping, and cleaning with solvent or detergents. In severely contaminated areas sandblasting may be necessary. Existing polyamide/epoxy coatings in good condition can be coated. Latex floor deck enamels can not be coated with AQUAPON WB® Epoxy coating. Previous coatings must be thoroughly cleaned and sanded to remove gloss. Remove wax and grease with solvent and detergent. In severely contaminated areas sandblasting may be necessary.

WOOD: Previously painted wood should be sanded to dull the gloss of previous paint and to remove any loose paint. Wood should be clean and dry before the first application of AQUAPON WB Epoxy. This material is self priming on new wood.

MASONRY, PLASTER, DRYWALL, CEMENTBOARD, CONCRETE BLOCK: Remove all dirt, grease, excess mortar, soluble salts, efflorescence, and other surface contaminants. Cracks, voids, and other surface imperfections should be filled. Fill porous concrete block with block filler to desired smoothness. Use PITT-GLAZE® Acrylic Latex Block Filler for normal applications. Non-immersion service involving moisture or high humidity, use AQUAPON® Block Filler. HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 296-HD, 394-HD, 396-HD, 422-HD. For specific recommendations, see your Pittsburgh Paints dealer or call 1-800-441-9695.

Recommended Primers

Galvanized Steel	97-687/688
Non-Ferrous Metal	97-687/688
Ferrous Metal	97-680
Wood and Hardboard	Self Priming
Concrete, Stucco, Plaster, Masonry other than CM Uni	Self Priming
Drywall	6-2
Concrete Block	16-90, 97-685/97-686

Directions for Use

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

PPG AF 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

Application Information

Recommended Spread Rates:

Wet Mils :	3.7 minimum to	5.5 maximum
Wet Microns:	94.0 minimum to	140.0 maximum
Dry Mils :	2.0 minimum to	3.0 maximum
Dry Microns:	51.0 minimum to	76.0 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" - 0.017"

Brush: High Quality Polyester/Nylon Brush

Roller: High Quality Polyester/Nylon Roller

Thinning:

To be in compliance with 3.5 lbs/gal VOC restrictions some thinning of these products is possible. They may be thinned 9 oz. per gallon with 97-725 Thinner for spray application or 10 oz. per gallon with 97-734 Thinner for brush or roller application.

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

Not all products are available in all sizes.



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