



HPC/Industrial Maintenance

AQUAPON® WB Water Base Epoxy

Generic Type

Waterborne Epoxy Two Component

Tinting and Base Information

Use PITTSBURGH® Paints Custom Colorants and refer to THE VOICE OF COLOR® electronic CD or formula book for tinting instructions.

98-1	Porcelain White
98-10	Safety Red
98-100	Semi-Gloss Component B
98-11	Safety Blue
98-12	Safety Orange
98-13	Safety Yellow
98-2	Black
98-3	Light Gray
98-4	ASA #49 Gray
98-5	Vista Green
98-51	Pastel Base
98-56	Midtone Base
98-8	Safety Green
98-9	Tile Red
98-98	Gloss Component B

General Description

AQUAPON® WB is a water borne epoxy interior/exterior coating system for use in commercial, institutional or industrial environments or where a tough, impact, abrasion, mar and stain resistant coating is required. Suitable for use on properly prepared and primed steel, galvanized metal, aluminum, copper, plaster, concrete, masonry, and wood surfaces. Also recommended as a floor coating.

Recommended Uses

- Aluminum
- Concrete
- Plaster
- Steel
- Wood

Product Data

Gloss:	Gloss: +70 (60° Gloss Meter)
VOC*:	2.02 lbs/gal 242.00 g/L
Coverage:	204 to 306 sq ft/gal (19 to 28 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*:	10.5 lbs. (4.8 kg) +/- 0.3 lbs. (136 g)
Volume Solids*:	37.8% +/- 2%
Weight Solids*:	51.8% +/- 2%
Mix Ratio:	1 part Comp. A to 1 part Comp. B
Clean-up:	Soap and Water

Results will vary by color, thinning and other additives.

*Product data calculated on mixed 98-1

Features / Benefits

- Water borne formula meets all current local and national VOC regulations.
- Chemical and solvent resistance equal to solvent epoxy coatings.
- Superior abrasion resistance.
- Suitable for both floors and vertical surfaces.
- Water borne formula for low odor and reduced yellowing.

Drying Time:

To Touch:	1 hour
To Handle:	7 hours
To Recoat:	16 hours

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

Limitations of Use

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). For exterior applications, do not paint late in the day when dew or condensation are likely to form or if rain is threatening. Gradual loss of gloss and chalking is typical and characteristic of epoxies on exterior exposures. Film integrity is not adversely affected. Do not apply over oil or alkyd coatings less than six months old. Not recommended for immersion service or for use in swimming pools. Not recommended for below grade applications on concrete or masonry. Do not apply directly over POLYCLUTCH® Wash Primer, 97-687/97-688. Epoxy coatings are not suitable for large expanses of exterior wood. Not intended for residential use. Protect from freezing. Not recommended for use below grade or immersion service.

Pot Life:

6 hours

Flash Point:

98-1 94°F, (34°C)
98-98 200°F, (93°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. 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.

FERROUS METAL: Stabilizers must be removed prior to painting. Weathering, solvent washing, chemical cleaning, or brush blasting may be appropriate, depending upon the nature of the stabilizer and the time available.

GALVANIZED STEEL: The surface must be exterior weathered for 6 months and then solvent cleaned per SSPC-SP1 prior to painting. When weathering is not possible, solvent clean surface per SSPC-SP1 and then blast clean per SSPC-SP7, brush off blast. Do not use

POLYCLUTCH® Wash Primer, 97-687/97-688, with AQUAPON® WB Epoxy Coatings.

CONCRETE FLOORS: Unpainted -- Test freshly poured concrete by ASTM-D4263 before coating. 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. Previously Painted -- 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 Coating. 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, 16-90, for normal applications. For non-immersion service involving moisture or high humidity, 97-685/686, Epoxy Filler is recommended.

HPC Systems in Detail Brochure (H10788) COATING SYSTEMS: 236-HD, 237-HD, 238-HD, 239-HD. AQUAPON® WB Epoxy Coatings may be substituted for AQUAPON® Polyamide-Epoxy Coatings, 97 Line, in other AQUAPON® Coating Systems when the end use does not involve a critical exposure.

Recommended Primers

Galvanized Steel	98-46/98-98
Ferrous Metal	98-46/98-98
Drywall	6-2, Self Priming
Concrete, Smooth Masonry	98-1/98-98
Concrete Block	16-90

Application Information

Recommended Spread Rates:

Wet Mils :	5.3 minimum to	7.9 maximum
Wet Microns:	135.0 minimum to	201.0 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 MBC gun, with 704 or 777 air cap with F 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 Roller Cover

Thinning:

Under normal conditions, thinning is not required. In some cases, such as extremely low humidity or high temperatures, water may be added at up to 6 oz. per gallon to improve open time or flow and leveling.

Directions for Use

Thoroughly mix the contents of each component before combining. Under mechanical agitation, add the contents of Comp. B to the correct Comp. A. The mixed material will increase in viscosity. Agitate until the combined material is uniform. No digestion time is required. Be sure to mix the correct A and B components. 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)

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

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International Sales:
(412) 434-2049

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

Bulletin: 98-1

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Rev. 3/2000