



HPC/Industrial Maintenance

AQUAPON® WB Water Base Epoxy

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. **For Professional Use Only; Not Intended for Household Use.**

RECOMMENDED SUBSTRATES / PROJECTS

Aluminum	Ferrous Metal	Wood
Concrete	Galvanized Steel	
Drywall	Plaster	

APPLICATION INFORMATION

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 psi. Fluid Pressure: Can not specify dependent on numerous factors.

Airless Spray: Pressure: 1500 psi, tip 0.015" - 0.017" Spray equipment must be handled with due care and in accordance with manufacturer's recommendations. High pressure injection of coatings into the skin by airless equipment may cause serious injury.

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 up to 6 oz. per gallon to improve open time or flow and leveling.

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

FEATURES AND BENEFITS

Water-borne formula meets all 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.

Meets MPI Category #93, Epoxy Floor Paint (Water Based)

DIRECTIONS FOR USE

Tint Component A only. Thoroughly mix the contents of each component before combining. Under mechanical agitation, add the contents of Comp. B to the same size 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.

PRODUCT DATA

PRODUCT TYPE: Water Borne Epoxy Two Component

BASE/COLOR:

98-1	Porcelain White	98-4	ASA #49 Gray
98-10	Safety Red	98-9	Tile Red
98-11	Safety Blue	98-51	Pastel Base
98-12	Safety Orange	98-56	Midtone Base
98-13	Safety Yellow	98-98	Gloss Comp. B
98-2	Black	98-100	Semi-Gloss Comp. B
98-3	Light Gray	98-101	Gloss Comp.B (low VOC)

	GLOSS*	SEMI-GLOSS**
Gloss Level: (60° Gloss meter)	70 +	40-60
VOC:	2.26 lbs./gal. (271 g/L)* 2.08 lbs./gal. (250 g/L)***	2.02 lbs./gal. (242 g/L)
Coverage:	202 to 303 sq. ft./gal (19 to 28 sq. m/3.78L)	227 to 341 sq. ft./gal (21 to 32 sq. m/3.78L)
Volume Solids:	37.8 +/- 2%	42.5 +/- 2%
Weight Solids:	51.8% +/- 2%	58.2% +/- 2%
Weight/Gallon:	10.5 lbs. (4.8 kg) +/- 0.3 lbs. (136g)	11.15 lbs. (5.07 kg) +/- 0.3 lbs. (136 g)

Note: Coverage does not include loss due to varying application method, surface porosity, or mixing

Wet Film Thickness:	5.3 mils to 7.9 mils*
Wet Microns:	135 to 201
Dry Film Thickness:	2.0 mils to 3.0 mils
Dry Microns:	51 to 76

POT LIFE:	6 hours
INDUCTION TIME:	None
MIX RATIO:	1:1 by volume
DRYING TIME:	Dry time @77°F (25°C); 50% relative humidity.
To Touch:	1 hour
To Handle:	7 hours
To Recoat:	16 hours

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

CLEAN UP: Soap and Water

FLASH POINT:	98-1	94°F (34°C)
	98-98	200°F (93°C)
	98-100	200°F (93°C)

Results will vary by color, thinning and other additives.

*Product data calculated on product 98-1 mixed with 98-98.

**Product data calculated on 98-1 mixed with 98-100.

***Product data calculated on 98-1 mixed with 98-101.

GENERAL SURFACE PREPARATION

The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. Prime bare areas 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 top-coat.

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: Caution must be used when selecting coatings for use on galvanized metal surfaces. These substrates may have a factory-applied stabilizer, which is used to prevent white rusting during storage and shipping. Such Stabilizers must be removed by either brush blasting or chemical treatment. 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 or thoroughly abrade the surface by appropriate means.

CONCRETE FLOORS: Unpainted -- Test freshly poured concrete by ASTM-D4263 before coating. Remove all contaminants by sweeping, scraping, or cleaning with solvent or detergents. In severely contaminated areas, abrasive blasting may be necessary. Previously Painted -- Existing polyamide/epoxy coatings in good condition can be coated. Previous coatings must be thoroughly cleaned and sanded to remove gloss. Remove wax and grease with solvent and detergent. In severely contaminated areas abrasive blasting may be necessary.

CONCRETE, STUCCO, PLASTER, MASONRY other than Concrete Masonry Units: Allow all concrete, mortar, plaster, etc. to cure for thirty (30) days under normal drying conditions. Remove all dirt, dust, grime, loose mortar and all other forms of contamination. Concrete which has been treated with curing compounds or hardeners, should be thoroughly abraded.

MASONRY, PLASTER, DRYWALL, CEMENTBOARD, CONCRETE BLOCK: Remove all surface contaminants. Fill cracks, voids, and surface imperfections. 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 (H13905) 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.

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.

LIMITATIONS OF USE**For Professional Use Only; Not Intended for Household Use.**

Apply only when air, surface and product temperatures are above 50°F (10°C) and when 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 anticipated. 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 or over latex floor deck enamels. Do not apply directly over POLYCLUTCH® Wash Primer, 97-687/97-688. Epoxy coatings are not suitable for large expanses of exterior wood. **PROTECT FROM FREEZING.** 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.

PACKAGING

1-Gallon (3.78L)

5-Gallon (18.9L)

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

PPGAF believes the technical data presented 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 technical information, visit our web site or call 1-800-441-9695.



PPG Industries, Inc.
Architectural Coatings
One PPG Place
Pittsburgh, PA 15272
www.ppghpc.com

Technical Services
1-800-441-9695
1-888-807-5123 fax

Architect/Specifier:
1-888-PPG-IDEA

PPG Architectural Finishes
400 S. 13th Street
Louisville, KY 40203

PPG Canada, Inc.
Architectural Coatings
4 Kenview Blvd
Brampton, ON L6T 5E4

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RECOMMENDED PRIMERS

Concrete Block	16-90, 97-685/686, 6-15
Concrete, Smooth Masonry	4-603, 98-1
Drywall	6-2, 17-921, Self Priming
Ferrous Metal	98-46
Galvanized Steel	98-46

TINTING AND BASE INFORMATION

Use PITTSBURGH® Paints Custom Colorants and refer to the VOICE OF COLOR® formula book for tinting instructions. Do not use G or Z colorants. Tint Component A only.

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.