



HPC/Industrial Maintenance

AQUAPON® Polyamide Epoxy Block Filler

**GENERAL DESCRIPTION**

A chemical resistant block filler for interior or exterior application. Used for filling porous surfaces of concrete, concrete block, cinder block and similar masonry. Recommended for use on interior or exterior surfaces in high humidity and/or chemical exposure environments.

**RECOMMENDED SUBSTRATES**

Cinder Block  
Concrete  
Concrete Block (CMU)  
Masonry

**FEATURES AND BENEFITS**

Recommended for high humidity and constant moisture areas.  
Resists fumes and most chemical spills.  
3.5 VOC compliant  
Meets MPI Category #116, Epoxy Block Filler

**MIXING AND APPLICATIONS INFORMATION**

Mix both components thoroughly before blending. Add Component "B" to Component "A" and blend thoroughly using a mechanical mixer. The sides and bottom of the container must be scraped to be sure all of the material is well mixed with the curing agent. Allow the mixed paint to digest for 30 minutes before use.

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.

**Permissible temperatures during application:**

Material:	50° to 90° F	10°C to 32°C
Ambient:	50° to 100° F	10°C to 38°C
Substrate:	50° to 100° F	10°C to 38°C

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

**Brush:** High quality polyester/nylon brush

**Roller:** High quality polyester/nylon roller

**Airless Spray:** Pressure 2500 psi, tip 0.017" to .0029"

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:** Not recommended

**Thinning:** Thinning is not normally required. If VOC regulations permit, and in cases where minimal thinning is needed, up to 12 oz. per gallon of 97-725 thinner, can be added.

**TINTING AND BASE INFORMATION**

Supplied as a white. Tinting in the field is not recommended. May be tinted at the factory to pastel shades. See you PPG Sales Representative for details.

97-685	Component A
97-686	Component B

**PRODUCT DATA**

<b>PRODUCT TYPE:</b>	Polyamide Epoxy
<b>GLOSS:</b>	Low gloss: Less than 25 (60° Gloss Meter)
<b>VOC*:</b>	3.0 lbs./gal. (360 g/L)
<b>COVERAGE:</b>	40 to 80 sq. ft./gal. (4 to 7 sq. m/3.78L)
Note: Does not include loss due to varying application method, surface porosity, or mixing.	
<b>DFT:</b>	12.0 to 24.0 mils
<b>WEIGHT/GALLON*:</b>	13.7 lbs.(6.2 kg)+/-0.5 lbs. (225g)
<b>VOLUME SOLIDS*:</b>	58.8% +/- 2%
<b>WEIGHT SOLIDS*:</b>	77.9% +/- 2%
<b>MIXED RATIO:</b>	2 parts Comp. A to 1 part Comp. B

\*Product data calculated on mixed product.

Wet Film Thickness:	20 to 40 mils
Wet Microns:	500 to 1,000
Dry Film Thickness:	12.0 to 24.0 mils
Dry Microns:	300 to 600
<b>POT LIFE:</b>	12 hours
<b>INDUCTION TIME:</b>	30 minutes
<b>IN SERVICE TEMP.:</b>	Dry Heat 250°F (121°C)
<b>DRYING TIME:</b>	Dry time @77°F (25°C); 50% relative humidity.
To Touch:	4 hours
To Handle:	8 hours
To Recoat:	16 hours

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

**CLEANUP:** PPG 97-725 Epoxy Thinner

<b>FLASH POINT:</b>	97-685 71°F (22°C)
	97-686 34°F (1°C)

**PACKAGING**

97-685: 5-Gallon (18.9L)  
97-686: 2-Gallon (7.56L)

## GENERAL SURFACE PREPARATION

Remove all loose paint. The surface to be coated must be dimensionally stable, dry, clean, and free of oil, grease, release agents, curing compounds, and other foreign materials. All large voids, cracks, and surface imperfections should be filled with a cement-sand grout. Moisture content of the surface should be below 8% particularly in mortar joints. **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](http://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.

**CONCRETE and MASONRY:** New concrete should cure for at least 30 days and preferably 90 days prior to priming and painting. The pH of the substrate must be less than 12 before priming with an alkali resistant primer.

**CONCRETE/MASONRY BLOCK:** Mortar should cure for at least 30 days and preferably 90 days prior to priming. Surfaces previously coated with water thinned cement-based paint must be prepared with extra care. If the material appears to be adhering tightly, a masonry sealer may be applied to seal the surface. Check adhesion by applying a piece of masking tape. If the sealer peels off and has loose particles, remove all chalking or crumbling material, re-seal and re-check adhesion.

**TILT-UP or PRE-CAST CONCRETE:** New tilt-up or pre-cast should cure for at least 30 days and preferably 90 days prior to priming and painting. Moisture content should be less than 8% prior to priming and topcoating. All bond breakers, release agents, and admix plasticizers must be removed to prevent adhesion problems. Bond breakers and similar surface contaminants should be removed as directed by the tilt-up manufacturer which can include specific cleaners, powerwashing, and/or surface profiling by mechanical methods. Surface chalk from the curing or aging process should be removed then sealed with an appropriate sealer to rebind and restore the surface to a sound condition.

## RECOMMENDED PRIMERS

Cinder Block	Self-priming
Concrete	Self-priming
Concrete/Masonry Block	Self-priming
Masonry	Self-priming

## LIMITATIONS OF USE

Not intended for immersion service or below grade application. For Professional Use Only; Not Intended for Household Use. It is not a waterproofing compound and is not recommended for use in swimming pools. It must be topcoated. Apply only when air, surface or product temperatures are above 50°F (10°C) and surface temperature is at least 5°F (3°C) above the dew point. Moisture content of the surface should be below 8%, particularly in mortar joints.

## 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](http://www.ppghpc.com) or by calling 1-800-441-9695.

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F17 5/2011  
Supersedes (8/2010)