

**Technical Data Sheet**



3462

AquArmor™ Coating

**PRODUCT DESCRIPTION**

General Polymers 3462 AQUARMOR COATING produces a chemical resistant, tough and cleanable finish for floors and walls. 3462 AQUARMOR COATING has excellent hiding properties and provides quick turnaround. Its low odor and quick recoat window allows installation without interruption of other trades on vertical or horizontal surfaces.

**ADVANTAGES**

- Breatheable
- Excellent adhesion to most substrates
- Low gloss on broadcast floors
- Long pot life but fast dry times
- Easy to apply
- Tough as epoxy but applies like latex
- Low odor, VOC compliant
- Provides a durable, easily cleanable surface
- Improved chemical resistance versus latex or acrylic paints
- Can be tinted

**TYPICAL USES**

3462 AQUARMOR COATING can be used in facilities requiring sanitary floor and wall surfaces including pharmaceutical, food, beverage, healthcare, kitchens, bath and washroom areas, clean room environments and correctional / institutional facilities and as a base for Decorative Mosaic Floor Systems.

**LIMITATIONS**

- **\*DO NOT USE WHITE BASE TO TINT DARK COLORS**
- Substrate must be structurally sound and free of bond inhibiting contaminants.
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 50F. Substrate temperature must be least 5F above the dew point (for lower temperature installation contact General Polymers Technical Service Department).
- When required, adequate ventilation and proper clothing shall be provided.
- **Strictly adhere to published coverage rates.**
- DO NOT install in immersion environments.
- DO NOT install on kitchen floors or in hot grease environments.
- Cure times will be extended in conditions of high humidity and poor ventilation due to low evaporation rate.
- When high humidity (>75% relative humidity) is anticipated, provide additional air movement and/or dehumidification.
- In uncontrolled climate environments, DO NOT INSTALL when rain is imminent or humidity is above 90%.
- **FOR WALLS DO NOT APPLY AT > 15 MILS, FOR FLOORS DO NOT EXCEED 10 MILS**
- **This coating though resistant, is not a guarantee against tire staining. Vehicular tires from cars and trucks to tractors and boat trailers are varied and have the potential to leave a brown stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.**

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Color	White, White Tint Base*, Ultra Deep Base	Can be tinted
Mix Ratio A:B		3:1
Solids, by weight, may vary with tinting		63%
Diluted (10% potable water)		56%
Viscosity, mixed		600-800 cps
VOC (Volatile Organic Content)		
EPA Method 24		Compliant
SCAQMD Method 304		Compliant
Pot Life, gallon mass		2 hours
Coverage	Floors 5-10 mils WFT Walls 6-12 mils WFT	160-300 sq. ft. / gal 130-250 sq ft / gal
Cure Time 8 mils @ 72F	Dry to Touch	8-10 hrs
	Recoat	12-30 hours
	Light Traffic	24 hrs min
	Wheeled Traffic	48 hrs min
Flammability		Self-extinguishing over concrete
Abrasion Resistance		63 mgs lost
ASTM D 4060, Type Wheel, CS17	1,000 Cycles	
Gloss		> 80
60 Gloss Meter @ 73F, 50% RH		

**SURFACE PREPARATION**

Proper inspection and preparation of the substrate to receive resinous material is critical. Read and follow the "Instructions for Concrete Surface Preparation" (Form G-1) for complete details.

**STORAGE / APPLICATION**

- Store materials in accordance instructions, with seals and labels intact and legible. One year shelf life is expected for products stored between 50°F - 90°F. **DO NOT ALLOW MATERIAL TO FREEZE.**

**APPLICATION INSTRUCTIONS (floor application)**

1. Premix 3462A (resin) and 3462B (hardener), separately using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.
2. Add 3 parts 3462A (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. 3462 may be reduced with potable water up to 10%. DO NOT reduce product until after both components have been mixed together for 90 seconds. Apply material using a 3/8" nap roller at a spread rate of 160-300 sq. ft. per gallon to yield 5-10 mils WFT depending upon substrate. **DO NOT EXCEED 10 MILS WFT.**

- Broadcast, Grout and Finish Coat: Reduce 10% with potable water.
3. Allow to cure for a minimum of 12-30 hours depending upon air movement, temperature and humidity before recoating.

• **APPLICATION INSTRUCTIONS (wall application)**

1. Premix 3462A (resin ) and 3462B (hardener), separately using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the materials.
2. Add 3 parts 3462A (resin) to 1 part 3462B (hardener), mix with low speed drill and Jiffy blade for three minutes and until uniform. 3462 may be reduced with potable water up to 10%. DO NOT reduce product until after both components have been mixed together for 90 seconds. Apply material using a 3/8" nap roller at a spread rate of 130-250 sq. ft. per gallon to yield 6-12 mils WFT depending upon substrate. **DO NOT EXCEED 15 MILS WFT.**

• **SPRAY APPLICATIONS**

Other airless spray pumps of equal configuration can be used.

Recommended Spray Unit: Graco Extreme (X-45)  
 Gun: G-XTR-5  
 45:1 Ratio or larger

Tip size: with 515/615 or larger orifice  
 Spray pressure: 4,500 PSI or higher

The filters/screens in both the spray unit and spray gun should be removed before spraying the 3462.

The spray unit and lines should be flushed with water until clear and then flushed with Isopropyl Alcohol (IPA).

**Instructions for Tinting**

Tint Part A with Envirotoners at 150% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color. DO NOT EXCEED 8 ounces of colorant per gallon of Part A resin.

**Chemical Resistance**

For comprehensive chemical resistance information, consult the Chemical Resistant Guide and contact the Technical Service Department.

**Cleanup**

Clean up mixing and application equipment immediately after use with soap and water.

**Safety**

Refer to the MSDS sheet before use. All applicable federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials. Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

**Maintenance**

Occasional inspection of the installed material and spot repair can prolong system life. For specific information, contact the Technical Service Department.

**Shipping**

- Destinations East of the Rocky Mountains are shipped F.O.B. Cincinnati, Ohio.
- Destinations West of the Rocky Mountains are shipped F.O.B. Victorville, California.

For specific information relating to international shipments, contact your local sales representative.

**Disclaimer**

The information and recommendations set forth in this document are based upon tests conducted by or on behalf of The Sherwin-Williams Company. Such information and recommendations set forth herein are subject to change and pertain to the product(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult [www.generalpolymers.com](http://www.generalpolymers.com) to obtain the most recent Product Data information and Application instructions.

**Warranty**

The Sherwin-Williams Company warrants our products to be free of manufacturing defects in accord with applicable Sherwin-Williams quality control procedures. Liability for products proven defective, if any, is limited to replacement of the defective product or the refund of the purchase price paid for the defective product as determined by Sherwin-Williams, NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY SHERWIN-WILLIAMS, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

