Protective & Marine Coatings

GENERAL POLYMERS® 3462
AQUARMOR COATING WATER-BASED EPOXY

PART A GP3462
PART B GP3462B01
SERIES HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

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

ADVANTAGES

- Breathable
- 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
- Provides a durable, easily cleanable surface
- Improved chemical resistance versus latex or acrylic paints
- Can be tinted
- Acceptable for use in USDA inspected facilities

TYPICAL USES

GENERAL POLYMERS 3462 AQUARMOR COATING can be used in facilities requiring sanitary floor and wall surfaces including pharmaceutical, food, beverage, healthcare, 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 50°F (10°C). Substrate temperature must be at least 5°F (3°C) above the dew point (for lower temperature i nstallation contact 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 stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.**

PRODUCT CHARACTERISTICS

Color:	White, White Tint Base, Ultra Deep Base (Can be tinted)
Mix Ratio:	3:1
Volume Solids:	46% ± 2%, mixed
Weight Solids:	61% ± 2%, mixed
VOC (EPA Method 24):	Unreduced:<50 g/L mixed; 0.41 lb/gal
(10% potable water):	56%
Viscosity, mixed:	8,600 cps

Recommended Spreading Rate per coat:

	Floors		Walls	
	Min.	**Max.**	**Min.**	**Max.**
Wet mils (microns):	**4.0** (100)	**10.0** (250)	**4.0** (100)	**15.0** (375)
~Coverage sq ft/gal (m^2/L):	**400** (10.2)	**160** (4.0)	**400** (10.2)	**107** (2.7)

Drying Schedule @ 6.0 mils (150 microns) wet:

	@ 72°F (22ºC)
To touch:	2-4 hours
To recoat:	3-6 hours
Light traffic:	24 hours minimum
Wheeled traffic:	48 hours minimum

If maximum recoat time (24 hours) is exceeded, abrade surface before recoating.

Drying time is temperature, humidity, and film thickness dependent.

Pot Life: gallon mass 2 hours @ 72°F (22ºC)

Shelf Life:	Part A: 12 months, unopened Part B: 36 months, unopened Store indoors at 50°F (10°C) to 90°F (32°C).
Flash Point:	>212°F (>100°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles	63 mg loss
System #1 Surface Burning 3460/3460/3462	ASTM E 84/NFPA255 Meets NFPA 101 Class A	Flame Spread 25 Smoke Index 55 @ 30-35 DFT (750-875 microns)
System #2 Surface Burning AquArmor S (3460/3460 AlOx/3462+5240)	ASTM E 84/NFPA255 Meets NFPA 101 Class A	Flame Spread 20 Smoke Index 50 @ 40-45 DFT (1000-1125 microns)

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. **DO NOT ALLOW MATERIAL TO FREEZE.**

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STORAGE / APPLICATION

- **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 160-400 sq. ft. per gallon to yield 5-10 mils WFT depending upon subsrate. **DO NOT EXCEED 10 MILS WFT**.

May be reduced up to 10-20% with potable water.

3. Allow to cure for a minimum of 3-6 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 107-400 sq. ft. per gallon to yield 4-15 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 Isoproyl Alcohol (IPA).

ORDERING INFORMATION

Packaging:	
Part A:	3 gallon (11.4L) and 5 gallon (18.9L) containers
Part B:	1 gallon (3.78L) and 5 gallon (18.9L) containers
Weight:	11.2 ± 0.2 lb/gal; 1.34 Kg/L mixed, may vary by color

INSTRUCTIONS FOR TINTING

Tint Part A with Envirotoners at 100% strength. Five minutes minimum mixing on a mechanical shaker is required for complete mixing of color. DO NOT EXCEED 8-12 ounces maximum for ultradeep base and a maximum of 4 ounces for white/pastel base 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.

Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

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 Product Data Sheet 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 offered at the time of publication. Consult your Sherwin-Williams representative to obtain the most recent Product Data Information and Application Bulletin.

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.