



Protective & Marine Coatings

GENERAL POLYMERS® 3461 AQUARMOR™ GLOSS TOPCOAT WATER-BASED EPOXY

PART A
PART B

GP3461
GP3461B01

SERIES
HARDENER

Revised September 23, 2014

PRODUCT INFORMATION

PRODUCT DESCRIPTION

GENERAL POLYMERS 3461 AQUARMOR GLOSS TOPCOAT is a unique, high solids water-based epoxy used as a grout and or topcoat for the AquArmor floor systems. This product can be applied in films up to 12 mils without impacting cure properties and offers better UV resistance than traditional epoxies.

ADVANTAGES

- Breathable
- Good chemical resistance
- Excellent UV stability
- Long working time
- Acceptable for use in USDA inspected facilities

TYPICAL USES

GENERAL POLYMERS 3461 AQUARMOR GLOSS TOPCOAT is used as a grout and seal coat for the General Polymers AquArmor flooring systems. May also be used on other slurry broadcast systems or as a clear grout coat.

LIMITATIONS

- Substrate must be structurally sound, dry 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) (for lower temperature installation contact the Technical Service Department).
- **Strictly adhere to published coverage rates. Never exceed application of more than 12 WFT mils.**
- DO NOT apply direct to concrete.
- DO NOT install in immersion environments.
- DO NOT install in kitchens or 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%.
- **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:	Clear
Mix Ratio:	1:2 Reduction 10-20% with Potable Water
Viscosity, mixed:	600 cps
Volume Solids:	71% ± 2%, mixed
Weight Solids:	69% ± 2%, mixed
VOC (EPA Method 24):	Unreduced:<50 g/L mixed; 0.41 lb/gal

Recommended Spreading Rate per coat:

	Minimum	Maximum
Wet mils (microns):	5.0 (25)	12.0 (300)
~Coverage sq ft/gal (m²/L):	320 (8.1)	133 (3.4)

Drying Schedule @ 6 mils (150 microns) wet:

	@ 73°F (23°C)
To touch:	6-8 hours
To recoat:	10-12 hours
Light traffic:	18-24 hours minimum
<i>If maximum recoat time is exceeded, abrade surface before recoating. Drying time is temperature, humidity, and film thickness dependent.</i>	
Pot Life:	gallon mass 60 minutes @ 73°F (23°C)

Shelf Life:	Part A: 36 months, unopened Part B: 36 months, unopened
	Store indoors at 50°F (10°C) to 90°F (32°C)
Flash Point:	>210°F (>99°C), ASTM D 93, mixed

PERFORMANCE CHARACTERISTICS

Test Name	Test Method	Results
Abrasion Resistance	ASTM D4060, CS17 wheel, 1000 cycles	48 mg loss

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.



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APPLICATION

APPLICATION INSTRUCTIONS

1. Premix 3461 Part A and Part B using a low speed drill and Jiffy blade. Mix until uniform, exercising caution to not entrain air into the product.
2. Add 1 part 3461A (resin) to 2 parts 3461B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform (typically 90 seconds), material will thicken as you mix. To insure proper cure and performance, strictly follow the mix ratio. Material may be reduced by 10% potable water as a grout or topcoat. **DO NOT REDUCE PRODUCT UNTIL BOTH COMPONENTS HAVE BEEN MIXED TOGETHER FOR 90 SECONDS.**
3. Apply 3461 using a flat or notched squeegee coat and backroll with a high quality 3/16" nap roller. Apply at a spread rate 266 sq. ft. per gallon to yield 6 WFT mils, evenly with no puddles, making sure of uniform coverage. Cross hatch backrolling is recommended for uniformity.
4. Allow to cure 18 hours minimum before opening to traffic. (Cure times will vary dependent upon environmental conditions).

ORDERING INFORMATION

Packaging:	
Part A:	1 gallon (3.78L) and 5 gallon (18.9L) containers
Part B:	1 gallon (3.78L) and 5 gallon (18.9L) containers
Weight:	9.9 ± 0.2 lb/gal; 1.19 Kg/L

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.