

Technical Data Sheet



3461

AquArmor™ Gloss Topcoat

**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 and as a concrete sealer. This product can be applied in films up to 20 mils without impacting cure properties and offers better UV resistance than traditional epoxies.

**ADVANTAGES**

- Can be applied to green concrete
- Meets USDA requirements for use in federally inspected facilities
- Excellent adhesion to concrete or wood
- Breathable
- Low odor
- Meets low VOC requirements
- Good chemical resistance
- Excellent UV stability
- Long working time

**TYPICAL USES**

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

**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 50F. (for lower temperature installation contact the Technical Service Department).
- Strictly adhere to published coverage rates. Never exceed application of more than 20 mils.
- 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 brown stain under certain conditions. Place rubber mats or carpet pieces under the tires to avoid the issue.**

**TYPICAL PHYSICAL PROPERTIES @ 73F**

Color	Clear
Mix Ratio A:B	1:2
	Reduction with Potable Water from 0% - 20%
Viscosity, mixed Diluted 10%	200 cps
Pot Life	60 minutes
Solids, by volume	70%
Solids, Diluted 10%	63%
VOC (Volatile Organic Content)	
EPA Method 24	Compliant
SCAQMD Method 304	Compliant
Coverage @ 5-20 mils WFT	80-300 sq. ft.
Cure Time	
	Dry to Touch 4-6 hrs
	Recoat 10-12 hrs
	Light Traffic 18-24 hrs
Flammability	Self-extinguishing
ASTM D 635	over concrete
Gloss	< 80
60° Gloss Meter @ 73F, 50% RH	
Abrasion Resistance	48 mgs lost
ASTM D 4060, CS-17 Wheel, 1,000 Cycles	

**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**

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. **DO NOT REDUCE PRODUCT UNTIL BOTH COMPONENTS HAVE BEEN MIXED TOGETHER FOR 90 SECONDS.**
  - For Cove Base Applications: Do Not Reduce
  - Broadcast, Grout and Finish Coat: Reduce 10% with potable water.
  - Concrete or Stained Concrete: Sealer: Reduce 20% with potable water.
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 evenly with no puddles, making sure of uniform coverage. Cross hatch backrolling is recommended for uniformity.

**NOTE: Vertical surfaces: Apply with brush or roller to vertical surface or cove. Do not reduce for vertical applications. Other wall systems may require reduction of 10-20% to achieve a smooth surface.**

4. Allow to cure 18 hours minimum before opening to traffic. (Cure times will vary dependent upon environmental conditions).

#### **COVE BASE APPLICATION**

1. Premix 3461 Part A and Part B using a low speed drill and Jiffy blade blending any settled materials.

2. Primer: Add 1 part of 3461 Part A to 2 parts of 3461 Part B mixing for 3 minutes with low speed drill and Jiffy blade. Brush or roller apply to vertical base area and allow to set for 30 minutes before applying cove base material or broadcast sand into wet primer and allow to dry overnight.

3. Cove Material: Add 1 quart of 3461 Part A to ½ gallon of 3461 Part B and blend for 90 seconds before adding 30 to 40 lbs. of 5900F aggregate. Continue to mix until totally wetting out all aggregate (approximately 90 seconds). This mix will yield approximately 30 to 35 lineal feet of 4-inch cove base.

4. DO NOT REDUCE THIS MIX WITH WATER.

5. Lubricating Trowel and Cleanup: To assist in smoothing base material lightly mist cove tool only with clean water. Do not spray or mist cove base material once material has been placed on vertical surface. All tools and equipment can be cleaned up with clean potable water.

#### **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**

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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.



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