

Technical Data Sheet



3460

AquArmor™ WBE

PRODUCT DESCRIPTION

GENERAL POLYMERS 3460 AquArmor WBE is a unique, high solids water-based epoxy used as a primer, binder resin, and/or topcoat for the AquArmor floor systems and as a concrete sealer.

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

3460 AquArmor WBE is used as a primer, binder resin coating or as a concrete sealer.

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 30 mils.
- DO NOT install in immersion 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%.

TYPICAL PHYSICAL PROPERTIES @ 73F

Color	Off White, Medium Gray	
Mix Ratio A:B	1:4	
	Reduction with Potable Water from 0% - 20%	
Pot Life	60 minutes	
Solids, by weight	68%	
VOC (Volatile Organic Content)		
EPA Method 24	Compliant	
SCAQMD Method 304	Compliant	
Coverage @ 5-30 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 millage units	
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 as a Primer

1. Premix 3460 Part A (resin) and 3460 Part B (hardener) separately, using a low speed drill and Jiffy blade. Mix until uniform, exercising caution to not entrain air into the product.

2. Add 1 part 3460A (resin) to 4 parts 3460B (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.**

- Concrete Sealer: Reduce 20% with potable water.

3. Apply 3460 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.

4. Allow to cure 10-12 hours minimum before recoating. (Cure times will vary dependent upon environmental conditions).

APPLICATION (as a Coating)

Mixing and Application

1. Premix 3460 Part A (resin) and 3460 Part B (hardener) separately, using a low speed drill and Jiffy blade. Mix until uniform, exercising caution to not entrain air into the product.

2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations. **Take care not to puddle materials and insure even coverage.**

3. Apply 3460 using a tight squeegee coat and backroll with a high quality 3/16" nap roller. Apply at a spread rate of 8-10 mils evenly with no puddles making sure of uniform coverage.

4. Allow to cure 12 hours minimum before opening to traffic. (Cure times vary depending on environmental conditions).

Consult AquArmor System Bulletin for additional application instructions when using 3460 AquArmor WBE.

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 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.

