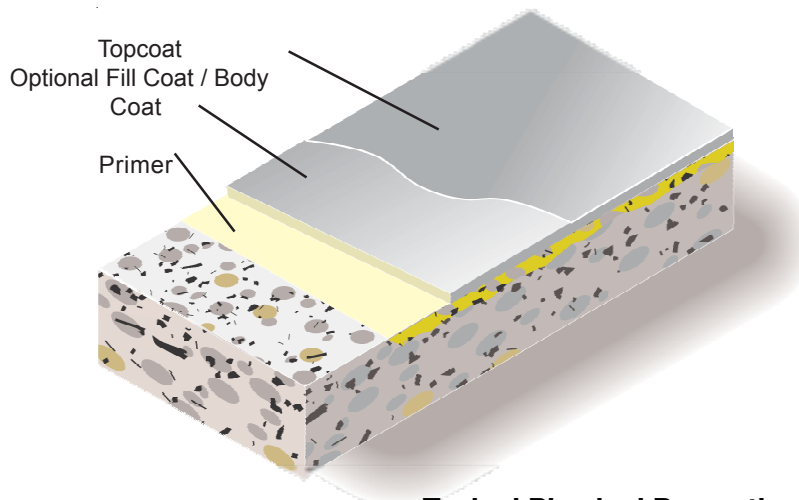




# AquArmor™ “C” Coating System

**General Polymers AquArmor “C” Coating Systems** is a 2-3 coat flooring system using a revolutionary new water-based resin technology, AquArmor WBE. It is installed quickly, environmentally friendly and is resistant to problems associated with moisture from the concrete.



## Advantages

- No testing for moisture necessary
- All systems breathe
- Rapidly installed
- Low VOC, low odor
- Seamless
- Good chemical resistance
- Can be applied to "green" concrete
- 100 times the permeability of standard epoxy floor systems
- Water clean up

## Uses

- Warehouses
- Aircraft Hangars
- Manufacturing Flooring
- Garages

## Limitations

- Protect material from freezing

## Typical Physical Properties

Color	Off White or Medium Gray
	Can be tinted in local SW store
Viscosity, mixed	1,800 – 2,400 cps
Pot Life	2 – 3 hours
Cure Time	Dry to touch (as coating) 30 – 90 min.
	Recoat 1 – 2 hours
	Foot Traffic 2 hours
	Wheeled Traffic 12 hours
Hardness @ 14 days ASTMD 2240	Shore D 80
Adhesion ACI 503R	300 psi concrete failure

ASTM D = Resin only

## Installation

General Polymers materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the [AquArmor "C" Coating System](#). Contact the Technical Service Department for assistance prior to application.

## Surface Preparation – General

General Polymers systems can be applied to a variety of substrates, if the substrate is properly prepared. Preparation of surfaces other than concrete will depend on the type of substrate, such as wood, concrete block, quarry tile, etc. Should there be any questions regarding a specific substrate or condition, please contact the Technical Service Department prior to starting the project. Refer to Surface Preparation (Form G-1).

## Surface Preparation – Concrete

Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon system selected. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a system compatible filler. For recommendations, consult the Technical Service Department.

## Temperature

Throughout the application process, substrate temperature should be 50°F – 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible. Protect material from freezing prior to installation.

## Application Information – Surface Prep Profile CSP 2-3

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	<b>Primer</b>	3460	1:4	200-250 sq. ft./gal	1.25 or 5 gals
<50 g/L	<b>Fill Coat/Body Coat (Optional)</b>	3460	1:4	60-200 sq. ft./gal	1.25 or 5 gals
<50 g/L	<b>Topcoat</b>	3462 4-5 mils	3:1	160-200 sq. ft./gal	4 or 20 gals

**Different optional seal coats – Consult individual Technical Data Sheets for mixing and application instructions.**

4408 WB Polyurethane Enamel

## Primer

### Mixing and Application

1. Premix 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 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform (typically 90 seconds). To insure proper cure and performance, strictly follow the mix ratio.
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 200 – 250 square feet per gallon to yield 6 – 8 mils WFT, evenly with no puddles, making sure of uniform coverage
4. Allow to cure 10 – 12 hours.

## Optional Fill Coat/Base Coat

### Mixing and Application

1. Premix 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 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform (typically 90 seconds). To insure proper cure and performance, strictly follow the mix ratio.
3. Apply 3460 using a flat or notched squeegee coat and backroll with a high quality 3/16" nap roller. Apply at 60 – 200 square feet per gallon to yield 10 – 25 mils WFT a spread rate evenly with no puddles, making sure of uniform coverage; this can be achieved in one or two coats depending upon requirements. Cross hatch backrolling is recommended for uniformity. Coverage will vary depending upon porosity of the substrate and surface texture.

## Topcoat

### Mixing and 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. Apply material using a 3/8" nap roller at a spread rate of 160 – 200 sq. ft. per gallon to yield 8 – 10 mils WFT depending upon substrate. DO NOT EXCEED 15 MILS WFT.
3. Allow to cure 12 hours minimum before opening to traffic. (Cure times vary depending on environmental conditions).

## Different optional seal coat(s) – Consult individual Technical Data Sheets for mixing and application instructions.

4408 WB Polyurethane Enamel

## Cleanup

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## Safety

Refer to the MSDS sheet before use. 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.

## Material Storage

Store materials in a temperature controlled environment (50°F – 90°F) and out of direct sunlight.

Keep resins, hardeners, and solvents separated from each other and away from sources of ignition. One year shelf life is expected for products stored between 50°F – 90°F.

## 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.



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