



DATE: 10/22/2013

ADDENDUM # 1

BID NO. : 2418
OPENING: 10/31/2013 - 3:00 PM
COMMODITY: Waterproof Epoxy Floor Installation

Attached please find the sign-in sheet for the mandatory pre-bid conference that was held on 10/17/13.

Please note that the following request for product substitution has been accepted:

*Sherwin Williams AquArmor MCS Moisture Control System

Also, the highlighted changes below to the Installation summary are to be incorporated into the final specifications:

Installation shall be as specified below and per manufacturer's instructions:

-seamless for entire room

-apply moisture mitigation layer manufactured by Koster

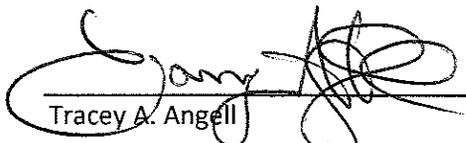
-install 4" epoxy cove base

-apply first layer of epoxy flooring at rate of 100 square feet per gallon and broadcast with colored quartz

-apply second layer of epoxy flooring and broadcast with colored quartz

-apply two finish coat layers of clear epoxy

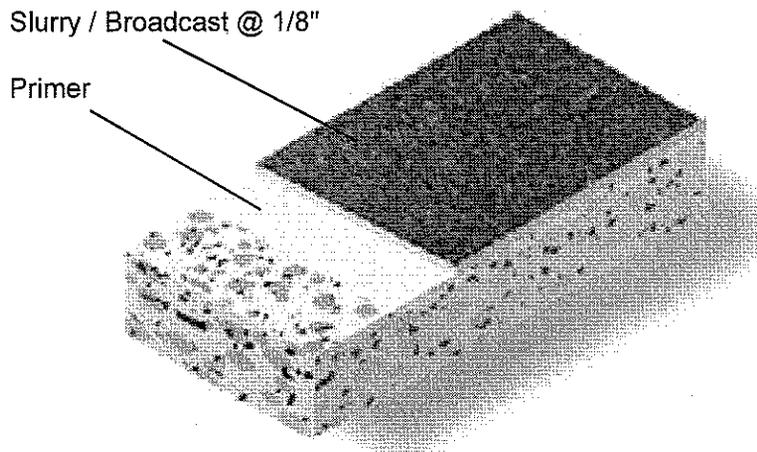
-apply one finish topcoat of clear low-VOC urethane that is chemical resistant with UV block.


Tracey A. Angell
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AquArmor™ MCS Moisture Control System

General Polymers AquArmor MOISTURE CONTROL SYSTEM is a self-leveling system to be applied to concrete to control moisture vapor emissions. AquArmor MOISTURE CONTROL SYSTEM can be applied with a v-notched trowel/squeegee. It is designed to provide a finished surface on concrete prior to the application of a non-permeable flooring finish.



1/8" System

Advantages

- No testing for moisture necessary
- Used under all floor finishes
- Water-based
- Excellent compressive strength
- Moisture insensitive
- Withstands vapor emissions

Uses

- Moisture vapor remediation
- Underlayment for impermeable flooring systems
- Repairs and levels deteriorated concrete

Limitations

- Do NOT apply to wet surfaces (no visible water)
- Must be installed at a minimum of 1/8"

Typical Physical Properties

Color		Gray
Cure Time	Recoat	18 hours
Adhesion ACI 503R		300 psi concrete failure
Hardness, Shore D ASTM D 2240		75
Tensile Strength ASTM C 307		500-550 psi
Compressive Strength ASTM C 579		5,800 psi
Flexural Strength ASTM C 580		1,200 psi

ASTM C = Mortar System
ASTM D = Resin only

Installation

The following information is to be used as a guideline for the installation of the **AquArmor MOISTURE CONTROL 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 of CSP 4-6. 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 (10°C - 32°C). 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.

Application Information – Surface Prep Profile CSP 4-6

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3460	1:4	200-250 sq. ft./gal	1.25 or 25 gals
<50 g/L 0	Slurry	3460 5150 Aggregate	1:4	80-90 sq. ft. per 2.5 gal 30 lbs. per 2.5 gals @ 1/8"	1.25 gals or 25 gals 30 lb. bag
0	Broadcast	5310	to excess	50-60 lbs. per 100 sq. ft.	50 lb. bag

Primer

Mixing and Application

1. Premix 3460B (hardener) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) plus 20% potable water. Mix with low speed drill and Jiffy blade until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. 3460 may be applied via spray, roller or brush. Apply at 250 square feet per gallon to yield 6-8 mils WFT evenly with no puddles making sure of uniform coverage. Coverage will vary depending upon porosity of the substrate and surface texture.
4. Two applications of 3460 Primer may be necessary to adequately seal and fill the surface imperfections and protect against outgassing. This can be accomplished by applying two tight, flat squeegee coats (pushing not pulling) in opposite directions at 15-20 minutes apart.

Slurry Coat - Broadcast to 1/8"

Mixing and Application

1. Premix 3460B (hardener) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low speed drill and Jiffy blade until uniform. Slowly add up to 30 lbs. 5150 AquArmor S Aggregate per 2.5 gallons of mixed material. Mix with low speed drill and Jiffy blade and until uniform and no lumps remain.
3. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee.
4. Allow material to self-level, the surface should be lightly back rolled with a looped roller to help smooth. Use a spiny roller to aid in the release of air.
5. System must be broadcast to excess with silica sand (5310) to build to 1/8" thickness.
6. Allow to cure 18 hours minimum before applying subsequent flooring systems. (Cure times vary depending on environmental conditions).

NOTE: Temperatures and environmental conditions may impact leveling. It is acceptable to reduce the aggregate loading up to 10% of the 5150 AquArmor S aggregate to improve levelling. Excess air movement across the surface should be avoided.

Cleanup

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

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.

Material Storage

Store materials in a temperature controlled environment (50°F - 90°F) (10°C - 32°C), and out of direct sunlight. Keep resins, hardeners, and solvents separated from each other and away from sources of ignition.

Shelf life of material will vary, check individual product data sheet .

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.



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