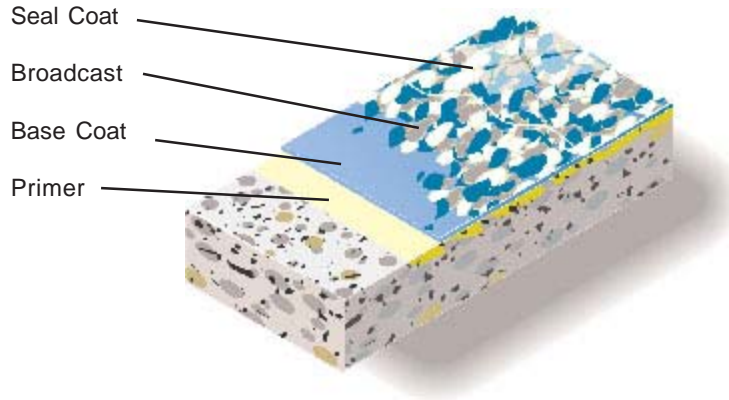




Decorative Mosaic Coating System

General Polymers DECORATIVE MOSAIC COATING SYSTEM is a mosaic pattern floor covering. These vinyl chips are incorporated in an water-based epoxy and sealed with a clear coat of an abrasion resistant, water-based polyurethane that is available in a high gloss or satin finish. Its innovation base chemistry also provides tough chemical resistant, colorfast protection.



Advantages

- Aesthetically pleasing appearance
- Limitless color options
- Seamless
- Chemical and stain resistant
- High gloss or satin finish

Uses

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceuticals
- Office buildings
- Locker and restrooms

Typical Physical Properties

Color	Custom Color Blends Available
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	100 mgs lost
Flexural Strength ASTM C 580	10,000 psi
Adhesion ACI 503R	300 psi concrete failure
Flammability	Self-Extinguishing over concrete
Impact Resistance MIL-D-3134J	Direct, inch pound greater than 160, passes Reverse, inch pound greater than 80, passes
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

ASTM C = Mortar System
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 DECORATIVE MOSAIC 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 equal to CSP 1-3. 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.

Application Information

Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
3462	3:1	200-300 sq. ft. / gal	4 or 20 gals
3462	3:1	110-300 sq. ft. / gal	4 or 20 gals
6750/6755	Broadcast to excess	200 lbs. / 1000 sq. ft.	25 lbs
Seal Coat(s)			
4408 2 coats @ 5 mils each	3:1	300-500 sq. ft. / gal	3 or 15 gals

Different optional seal coats - Consult individual Technical Data Sheet for mixing and application instructions.

3461 AquArmor Gloss Topcoat

Primer

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. 3462 may be reduced with potable water up to 10%. **DO NOT reduce product until after both components have been mixed together for 90 seconds.** Apply material using a 3/8" nap roller at a spread rate of 110-300 sq. ft. per gallon to yield 5-15 mils WFT depending upon substrate. **DO NOT EXCEED 15 MILS WFT.**

3. Apply 3462 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.

Base Coat

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. 3462 may be reduced with potable water up to 10%. **DO NOT reduce product until after both components have been mixed together for 90 seconds.** Apply material using a 3/8" nap roller at a spread rate of 110-300 sq. ft. per gallon to yield 5-15 mils WFT depending upon substrate. **DO NOT EXCEED 15 MILS WFT.**

3. Allow material to self-level 10-15 minutes. Begin evenly broadcasting 6750/6755 Vinyl Chips into wet resin much the same as grass seed is spread. Vinyl Chips should be broadcast in such a way that the chips falls lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.

4. Allow to cure for 24 hours, sweep off excess vinyl chips with a stiff bristled broom.

Seal Coat

Mixing and Application

1. Premix 4408A (resin) using a low speed drill and Jiffy mixer. Mix for three minutes and until uniform, exercising caution not to introduce air into the material.

2. Add 3 parts 4408A (resin) to 1 part 4408B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.

3. Apply 4408 using 1/4" nap roller. Apply at a spread rate of 300-500 square foot per gallon evenly with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage. Two coats required. Surface must be abraded using 100 grit screen/paper between coats.**

4. Allow to cure 18-24 hours before applying second coat. Allow 24 hours minimum before opening to traffic.

Different optional seal coats - Consult individual Technical Data Sheet for mixing and application instructions.

3461 AquArmor Gloss Topcoat

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. 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) 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 to obtain the most recent Product Data information and Application instructions.

Warranty

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