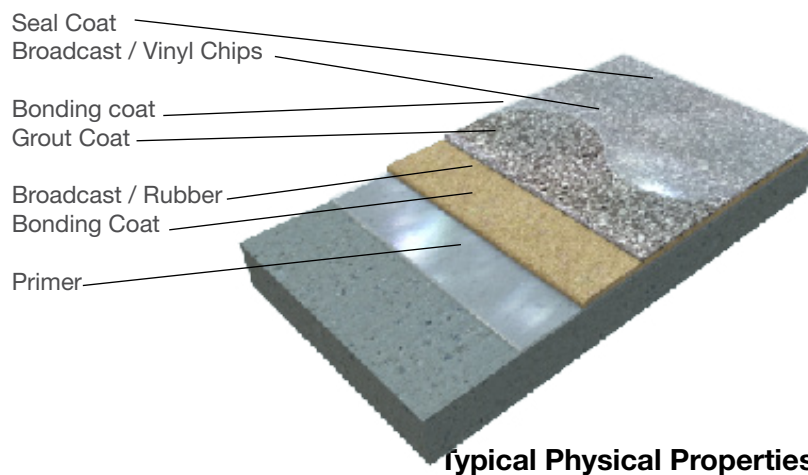




SofTop Decorative Mosaic Flooring System

General Polymers SofTop Decorative Mosaic Flooring System is a 2-3mm (max 1/8") thick resinous floor; which provides a soft, quiet and decorative appearance but is also chemical, impact and chip resistant. SofTop Mosaic resists reflective cracking and provides a seamless finish for ease of maintenance.



2-3mm (max 1/8")

Advantages

- Seamless
- Ergonomic
- Quiet
- Unlimited color options
- Impact, crack & chip resistant

Uses

- Healthcare
- Laboratories
- Museums, Art Galleries and Theaters
- School and Universities

Typical Physical Properties

System

Adhesion ACI 503R	100% concrete failure, >350 psi
Elongation ASTM D 412	80%
Flammability ASTM E 648 Critical Radiant Flux	Class I
Impact Resistance ASTM D 4226	>160 in./lbs (160 lb. load)
Noise Reduction Coefficient ASTM C 423	0.05
Residual Indentation ASTM F 1914	1% thickness (140 lb. load)
Thermal Cycling ASTM C 884	No cracking
Tensile Strength ASTM D 412	1,500 psi

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 ***Softop* Decorative Mosaic Flooring 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 60°F – 90°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates 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 3-4 2-3mm

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer (on or below grade)	3579	2:1	250-300 sq ft / gal	3 or 15 gal
<100 g/L 0	Bonding Coat Broadcast Rubber	3555 5601	1:1 To Excess	40-50 sq. ft. / gal 25 lbs / 100 sq. ft.	2 or 10 gals 50 lb. bag
<100 g/L	Grout	3555	1:1	80-100 sq. ft./ gal	2 or 10 gals
<50 g/L 0	Bonding Coat Broadcast Vinyl Chips	4687 6750/6755	2:1 To Excess	250-400 sq. ft. / gal 150-200 lbs. / 100 sq. ft.	3 or 15 gal 25 lb. box
<50 g/L	Seal Coat*	4686	1:1	250-400 sq. ft. / gal	2 or 10 gals

* **NOTE:** If a second coat or smooth finish is required, the surface must be abraded with 80-120 grit paper or screen and tack wiped prior to second application.

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

4685 POLY-COTE
4844 PAce-COTE

Primer Mixing and Application

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
2. 3579 may be applied via roller or brush. Apply at 250-300 square feet per gallon to yield 5-6 mils WFT evenly with no puddles making sure of uniform coverage. Coverage will vary depending upon porosity of the substrate and surface texture.
3. Wait until primer is tacky (usually one hour), before applying the membrane. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight. NOTE: Primer not required for slabs over occupied space with a CSP 3 minimum profile.

Bonding Coat / Rubber Mixing and Application

1. Premix 3555A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 1 part 3555A to 1 part 3555B by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Immediately pour the mixed material onto the substrate, apply at 40-50 feet per gallon, allow to self-level and broadcast 5601 rubber to 25 lbs. per 100 sq. ft.
4. Allow material to cure 18-24 hours minimum.

NOTE: To increase thickness to 3/16" apply a 2nd bonding coat and 2nd broadcast of rubber

Grout Mixing and Application

1. Premix 3555A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.
2. Add 1 parts 3555A (resin) to 1 part 3555B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform.
3. Immediately pour the mixed material onto the substrate and pull out using a 1/8" v-notched squeegee to yield 16-20 mils WFT and cross roll with a 3/8" nap roller. Readings must be taken continuously during application with a wet mil gauge to verify material is being applied at the proper thickness.
4. Allow to cure overnight at 73°F surface temperature. Material cures slower at lower temperatures. After overnight cure the broadcast texture can be reduced by sanding the surface with 80 grit paper/screens, this results in a smoother surface but is not required.

Bonding Coat / Vinyl Chips Application

DO NOT PREMIX PART B HARDENER.

1. Premix 4687A (resin) 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 2 parts 4687A (resin) to 1 part 4687B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4687 using a 1/4" nap roller at a spread rate of 250-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.**
4. 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.

5. Allow to cure 24 hours minimum before applying seal coat. In cool and/or high humidity conditions, a surface film may form which can be washed with soap and water.

Seal Coat Mixing and Application

DO NOT PREMIX PART B HARDENER.

1. Mix 4686A (resin) 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 4686A (resin) to 1 part 4686B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 4686 using a 1/4" nap roller at a spread rate of 250-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.**

NOTE: If a second coat or smooth finish is required, the surface must be abraded with 80-120 grit paper or screen and tack wiped prior to second application.

4. Allow to cure before opening up to traffic.

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

4685 POLY-COTE
4844 PACE-COTE

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.

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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