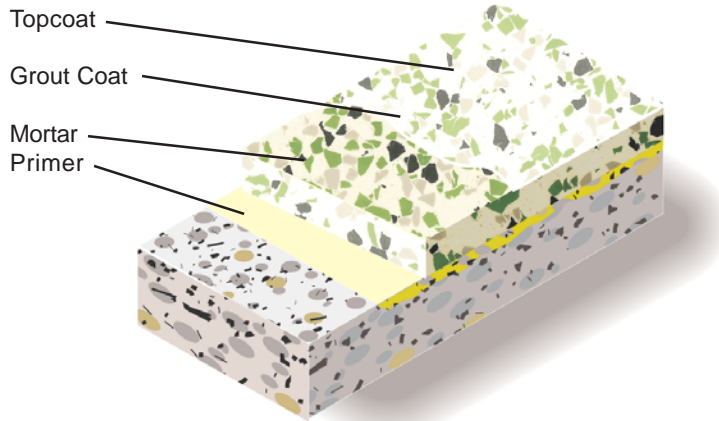




SofTop™ DECORATIVE FLOORING SYSTEM 1/4"

General Polymers **SofTop** DECORATIVE FLOORING SYSTEM is a seamless, resilient and decorative flooring system combining high solids flexible epoxy resin with colored rubber chips in a troweled mortar system. The result is a seamless floor that offers ergonomic comfort and noise reduction versus other traditional hard surface floor systems.



Advantages

- Aesthetically pleasing appearance
- Enhanced slip resistance
- Variety of color and design options
- Comfortable and sound absorbing
- Durable and wear resistant 1/4" system
- Stain resistant
- VOC compliant, Low odor
- Easy to clean

Uses

- Commercial, Retail and Institutional facilities
- Hospitals
- Operating Suites
- Long term care facilities
- Libraries
- Multi-Purpose rooms
- Museums and Theaters
- School hallways

Typical Physical Properties

Binder Resin	
Color	Standard Colors and Custom Colors
Hardness, @ 24 hours ASTM D 2240	80/70 Shore A
Adhesion ACI 503R	300 psi concrete failure
Water Absorption ASTM D 570	0.1%
System	
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F
Residual Indentation ASTM F 1914	1% thickness (140 lb. load)
Impact Resistance ASTM D 4226	Greater than 160 in./lbs (160 lb. load)
Noise Reduction Coefficient ASTM C 423	0.05

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 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 equal to CSP3-5. 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 substrate should occur while temperature is falling to lessen offgassing. The material should not be applied in direct sunlight, if possible.

Application Information - 1/4"

	Material	Mix Ratio	Theoretical Coverage Per Coat Concrete	Packaging
Primer	3579	2:1	250-300 sq. ft. / gal	3 or 15 gals
Mortar	3557	4:1	50-60 sq. ft. / 5 gals	5 or 25 gals
	5600 SofTop Rubber Aggregate (1-3 mm)		60-80 lbs / 5 gals	30 lbs
	5270		10-12 lbs / 5 gals	50 lb bag
Grout	4844	2:1	600-800 / sq. ft.	3 or 15 gals
Seal Coat	4844	2:1	600-800 / sq. ft.	3 or 15 gals

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 mortar. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight.

Mortar (Batch size 1.25 gallons)

Mixing and Application

1. Premix 3557A (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 4 parts 3557A (1 gallon resin) to 1 part 3557B (1 quart hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Add 16-20 lbs. (2-21/2 gallons) 5600 SofTop Rubber Aggregate blend per 1.25 gallons of mixed 3557 resin and add 1 quart 5270 filler. Continue mixing until all aggregates are distributed and wet.
3. Immediately pour the mixed material onto the substrate and hand trowel in place. Back roll mortar with a rib roller or loop roller to bring resin to the surface and fill voids between the rubber aggregate.
4. Allow material to cure 18-24 hours minimum before sanding and applying grout coat.

Mortar (Batch size 5 gallons)

Mixing and Application

1. Premix 3557A (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 4 parts 3557A (4 gallons resin) to 1 part 3557B (1 gallon hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Pour mixed liquids into mortar mixer add 60-80 lbs. (10-12 gallons) 5600 SofTop Rubber Aggregate blend per 5 gallons of mixed 3557 resin and add 1 gallon 5270 filler. Continue mixing until all aggregates are distributed and wet.
3. Immediately pour the mixed material onto the substrate and hand trowel in place. Back roll mortar with a rib roller or loop roller to bring resin to the surface and fill voids between the rubber aggregate.

4. Allow material to cure 18-24 hours minimum before sanding and applying grout coat.

Grinding / Sanding

1. According to the size of area being installed, contractor may select a wood floor sander, edging sander, buffer machine or hand grinding tool to prepare surface for finishing. Rough sanding would require a 40-60 grit sand paper until surface is flat and uniform.

For larger areas, contractor should consider using a planetary grinder using a 24-60 grit diamond grinding head.

After grinding is complete, you are prepared to complete the final sanding.

2. Sanding all surfaces prior to grouting should be completed with 60 grit sanding screens and buffer machine.

3. After sanding is completed, vacuum entire area and tack rag with a damp dropcloth removing all fine powder from the sanding procedure.

Grout Coat (3 Pint Batch)

Mixing and Application

1. Add 2 parts 4844A (resin) to 1 part 4844B (hardener) by volume. Mix with low speed drill and Jiffy blade for two minutes or until uniform. Do not mix more material than can be applied in 15-20 minutes, (3 pint batch material will stiffen quickly).
2. Apply 4844 using a 3" x 8" flat trowel or spring steel trowel, at a spread rate of 600-800 sq. ft. per gallon, forcing material into any voids, leaving very little material on the flat surface.
3. Allow to cure 90-120 minutes minimum before applying seal coat. Inspect floor after cure and light sand floor with 100-120 grit screens to remove any trowel lines or grit during the grouting process.

NOTE: Do not leave grout material or trowel marks overnight. Must be sanded out daily.

Seal Coat

Mixing and Application

1. Add 2 parts 4844A (resin) to 1 part 4844B (hardener) by volume. Mix with low speed drill and Jiffy blade for two minutes or until uniform. Do not mix more material than can be applied in 15-20 minutes, (3 pint batch material will stiffen quickly).
2. Apply 4844 using a 3" x 8" flat trowel or spring steel trowel, at a spread rate of 600-800 sq. ft. per gallon, forcing material into any voids, leaving very little material on the flat surface.
3. Allow to cure 90-120 minutes minimum before opening up to traffic.

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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