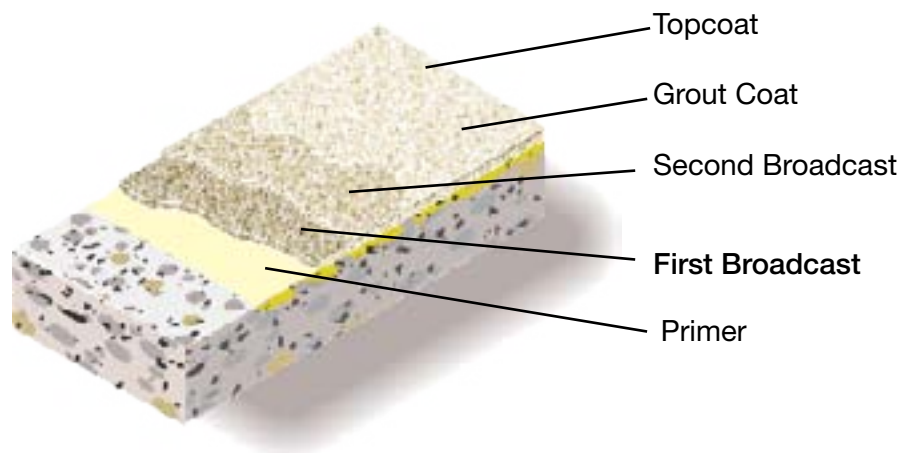




Ceramic Carpet™ #554 Decorative Broadcast

General Polymers CERAMIC CARPET #554 combines EPO-FLEX® crack isolation system with colored quartz aggregate to provide the toughness and flexibility of EPO-FLEX with the beauty and durability of quartz broadcast flooring. Flexibility is achieved without the use of plasticizers or other additives which can separate or migrate as the system ages. This means that the product remains flexible and continues to function for many years.

1/8" System



Advantages

- Bridges hairline cracks, thereby aiding in suppression of cracks reflecting through the system due to substrate movement
- Limitless color options
- Durable, Slip resistant
- Waterproof
- Pedestrian traffic bearing
- Chemical and stain resistant

Uses

- Food & beverage manufacturing areas
- Restaurants and commercial kitchens
- Clean rooms and pharmaceuticals
- Locker rooms and restrooms
- Animal research and cagewash areas
- Animal care and holding areas
- Decks and balconies
- Promenade decks and ramps
- Loading docks and hospital patient loading areas

Typical Physical Properties

Color	Pre-Blended Standard Colors Custom Color Blends Available
Hardness, @ 24 hours Shore D	40
ASTM D 2240	
Tensile Strength	1,500 psi
ASTM C 307	
Flexural Strength	6,000 psi
ASTM C 580	
Elongation	85%
ASTM D 412	
Adhesion	300 psi
ACI 503R	concrete failure
Flammability	Self-Extinguishing over concrete
Thermal Cycling	No Cracking
ASTM C 884 (24 hours, -21°C to 25°C)	

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 **CERAMIC CARPET #554 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 CSP4-6. 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. 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

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3579	2:1	250 sq. ft. / gal	3 or 15 gals
<50 g/L		3554	3.75:1	80-100 sq. ft. / gal	4.75 gals
0	1st Broadcast	5900F	To Excess	.5 lbs / sq. ft.	50 lb. bag
<50 g/L		3554	3.75:1	80-100 sq. ft. / unit	4.75 gals
0	2nd Broadcast	5900F	To Excess	.5 lbs / sq. ft.	50 lb. bag
<100 g/L	Grout Coat	3745	2:1	100 sq. ft. / gal	1, 5 or 15 gals
<100 g/L	Seal Coat	3745	2:1	200 sq. ft. / gal	1, 5 or 15 gals

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

4409 WB Polyurethane Satin

Primer Mixing and Application

1. Add 2 parts 3579 A (resin) to 1 part 3579 B (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.
2. 3579 may be applied via spray, roller or brush. Apply 5-8 mils, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. Wait until primer is tacky (usually 1 hour minimum), before applying

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

Wearcourse (First / Second Broadcast) Mixing and Application

1. Add 3.75 parts 3554A (resin) to 1 part 3554B (hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes and until uniform.
2. Immediately pour the mixed material onto the substrate and pull out using a 1/4" or 1/8" v-notched squeegee to yield 20 mils WFT.

Readings must be taken continuously during application with a wet mil gauge to verify material is being applied at the proper thickness. Material cures slower at lower temperatures.

3. Broadcast 5900F Colored Quartz Aggregate to excess into wet material so no wet material is visible. Granules should be broadcast within one (1) hour of liquid application to ensure they are properly seated.

4. Allow to cure for 24 hours, sweep off excess granules with a clean, stiff bristled broom. Clean granules can be saved for second broadcast. All imperfections such as high spots should be smoothed before application of second broadcast coat

5. Apply second broadcast using the same techniques in Steps 1 through 4.

6. Allow to cure for 24 hours.

NOTE: 5900F Granule distribution is critical to the success of the application. The floors finished appearance depends on the manner in which the granules have been applied. In grass seed like fashion, allow the granules to fall after being thrown upward and out. DO NOT THROW DOWNWARD AT A SHARP ANGLE USING FORCE.

Grout Coat **Mixing and Application**

1. Add 2 parts 3745A (resin) to 1 part 3745B (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.

2. Apply 3745 using flat trowel or 1/4" or 1/8" v-notched trowel and backroll with a 1/4" nap roller. Apply at a spread rate of 100 sq. ft. per gallon to yield 16 mils WFT, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

3. Allow to cure 24 hours minimum before applying seal coat.

Note: Epoxy materials will appear to be cure and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure for 2-3 days prior to exposure to water or other chemicals for best performance.

Seal Coat **Mixing and Application**

1. Add 2 parts 3745A (resin) to 1 part 3745B (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.

2. Apply 3745 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at 200 square foot per gallon evenly with no puddles making sure of uniform coverage. Take care not to puddle materials and insure even coverage.

3. Allow to cure 24 hours minimum before opening to traffic.

Note: Epoxy materials will appear to be cure and "dry to touch" prior to full chemical cross linking. Allow epoxy to cure for 2-3 days prior to exposure to water or other chemicals for best performance.

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

4409 WB Polyurethane Satin

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.

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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