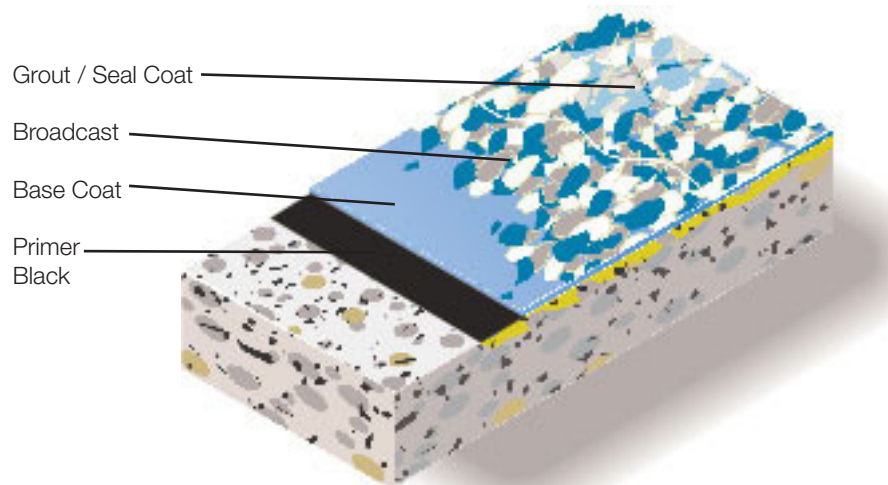




DECORATIVE MOSAIC SD COATING SYSTEM

General Polymers DECORATIVE MOSAIC SD COATING System is a high gloss, static dissipative, mosaic pattern floor covering that incorporates vinyl chips in an epoxy base. These chips are sealed with a clear coat of an abrasion resistant, polyurethane glaze that provides a tough wearing surface.



20-25 mils

Advantages

- Aesthetically pleasing appearance
- Variety of chip blends available
- Seamless, decorative finish
- Protects against static discharge from people or equipment
- Chemical and stain resistant
- Meets ANSI Standards for Static Dissipative Floors

Uses

- Computer rooms
- Clean rooms and pharmaceuticals
- Hospitals
- Electronic assembly
- Quality control labs

Typical Physical Properties

Color	Various Blends Available
Gloss (60 Gloss Meter @ 73F 50% RH)	80-100 pts.
Abrasion Resistance	35 mgs lost
ASTM D 4060, CS-17 Wheel, 1,000 cycles	
Ohms Resistance	<10 ⁹
ANSI ESD/ESD 7.1	
Pencil Hardness	2H
ASTM D 3363	
Adhesion	350 psi
ACI 503R	100% concrete failure
Flammability	Self-Extinguishing over concrete
Impact Resistance	Direct, inch
MIL-D-3134J	pound greater than 160, passes
	Reverse, inch pound greater than 80, passes
Resistance to Elevated Temperatures	No slip or flow at required temperature of
158°F MIL-D-3134J	

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 SD 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 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 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. Protect material from freezing prior to installation.

Application Information – Surface Prep Profile CSP 1-3

VOC MIXED		MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3424 reduced 10-20% with potable water	4:1	250-320 sq. ft./gal	1.25 or 5 gals
<50 g/L 0	Base Coat	3564 6750/6755	3:1 To Excess	200-250 sq. ft./gal 100-200 lbs / 1,000 sq. ft.	4 or 20 gals 25 lbs.
<50 g/L	Grout Coat	3564	3:1	160-200 sq. ft./gal	4 or 20 gals
<50 g/L	Seal Coat	4620E	2:1	300-530 sq. ft./gal	3 or 15 gals

Primer

Mixing and Application

1. Premix 3424A (hardener) 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. 3424 must be reduced 10-20% with potable water to aid in placement. Add 4 Parts 3424A (hardener) to 1 Part 3424B (resin) and 10-20% potable water. Mix with low speed drill and jiffy blade for 3 minutes and until uniform.
3. Apply using a short nap roller at a rate of 250 - 320 square feet per gallon (5-6 WFT mils). Allow to cure at least 4 hours prior to topcoating but no more than 24 hours. A light sanding may be required prior to applying topcoat.
4. Inspect primer coat prior to application of system. Test surface resistance in accordance with ANSI-S7.1. Resistance range should be less than 150,000 ohms. If deviation from this range occurs, consult the Technical Service Department immediately.

Base Coat

Mixing and Application

1. Premix 3564A (resin) 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 3564A (resin) to 1 part 3564B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply using a squeegee or short nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 5-8 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 8-12 hours, sweep off excess vinyl chips with a stiff bristled broom.

Grout Coat

Mixing and Application

1. Premix 3564A (resin) 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 3564A (resin) to 1 part 3564B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply using a squeegee or short nap roller at a spread rate of 160-200 sq. ft. per gallon. Allow to cure at least 18 hours.
3. Test surface resistance in accordance with ANS1 S7.1. Resistance range should be less than 10-9th ohms, if results are above this range, consult the Technical Service Department immediately.

Seal Coat

Mixing and Application

1. Premix 4620EA (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 2 parts 4620EA (resin) to 1 part 4620 (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. Apply material via airless spray or a 1/4" nap roller cover at a spread rate of 300-530 sq. ft. per gallon to yield 3-5 mils WFT.
3. Allow to cure 24 hours minimum. Test surface resistance in accordance with ANSI-S7.1. Resistance range should be 10⁶ - 10⁹ ohms. If deviation from this range occurs, consult the Technical Service Department immediately. Inspect prior to application of 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. 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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