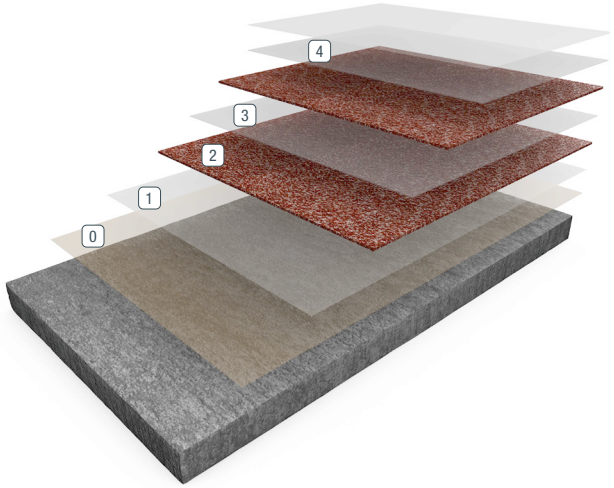
RESUFLOR™ DECO QUARTZ BC23

Sherwin-Williams Resuflor Deco Quartz BC23 is a 1/8" system that uses decorative colored quartz aggregates, high-solids epoxy resins, and chemical-resistant grout and topcoats to form a protective surface that is aesthetically pleasing, durable and slip, wear and stain resistant.



0 **Primer**

1 **First Broadcast**

2 **Second Broadcast**

3 **Grout Coat**

4 **Topcoat**

BENEFITS

- Aesthetically pleasing appearance
- Limitless color options
- Durable, wear and slip resistant
- Chemical and stain resistant
- Fiberglass scrim optional for maximum tensile strength and crack isolation
- Optional waterproofing and/or membrane
- Available with an antimicrobial agent
- Can be applied vertically (integrated cove base)
- LEED® v4 compliant

USES

- Commercial kitchens (areas where temperature will not exceed 160°F in service)
- Animal care
- Clean rooms
- Pharmaceuticals
- Locker and restrooms
- Packaging and storage areas

TYPICAL PHYSICAL PROPERTIES

Color	Pre-Blended Standard Colors Custom Color Blends Available
Hardness @ 24 hours, Shore D ASTM D 2240	70/65
Compressive Strength ASTM C 579	12,000 psi
Tensile Strength ASTM C 307	2,500 psi
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	90-100 mgs lost
Flexural Strength ASTM C 580	4,500 psi
Adhesion ACI 503R	300 psi concrete failure
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F
Impact Resistance MIL-D-3134J	Withstands 16 ft lbs without cracking, delamination or chipping

INSTALLATION

Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Resuflor Deco Quartz BC23. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

SURFACE PREPARATION — GENERAL

Sherwin-Williams 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 Sherwin-Williams 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 4-6. 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 Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature should be 50-90°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 off gassing. The material should not be applied in direct sunlight, if possible.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED 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 0	1st Broadcast	3561 5900F	4:1 To Excess	140-145 sq. ft. / gal .4 lbs. / sq. ft.	1.25-25 gals 50 lb. bag
<50 g/L 0	2nd Broadcast	3561 5900F	4:1 To Excess	65-70 sq. ft. / gal .4 lbs. / sq. ft.	1.25-25 gals 50 lb. bag
<100 g/L	Grout Coat	3746	2:1	100 sq. ft. / gal	3 or 15 gals
<100 g/L	Topcoat	3746	2:1	200 sq. ft. / gal	3 or 15 gals

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin Williams representative.

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 blade for three minutes until uniform. To ensure 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 one hour), before applying the slurry. If primer is not going to be topped within open time, broadcast silica sand into resin lightly but uniformly and allow to cure overnight.

FIRST BASE COAT (CERAMIC CARPET #400)

MIXING AND APPLICATION

1. Add 4 parts 3561A (resin) to 1 part 3561B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform.
2. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched squeegee and cross roll with a 3/8" nap roller at a spread rate of 140-145 square feet per gallon.
3. Allow material to self-level 10-15 minutes. Begin evenly seeding the 5900F into wet resin much the same as grass seed is spread. Granules may be spread by hand or mechanical blower but should be broadcast in such a way that the granules fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
4. Allow to cure. (Cure times vary depending on environmental conditions.) Sweep off excess granules with a clean, stiff-bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the second broadcast.

SECOND BROADCAST (CERAMIC CARPET #400)

MIXING AND APPLICATION

1. Add 4 parts 3561A (resin) to 1 part 3561B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform.
2. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched squeegee and cross roll with a 3/8" nap roller at a spread rate of 65-70 square feet per gallon.
3. Allow material to self-level 10-15 minutes. Begin evenly seeding the 5900F into wet resin much the same as grass seed is spread. Granules may be spread by hand or mechanical blower but should be broadcast in such a way that the granules fall 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 granules with a clean, stiff-bristled broom. Clean granules can be saved for future use. All imperfections such as high spots should be smoothed before the application of the seal coat.

NOTE: 5900F Granule distribution is critical to the success of the application. The deck's 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 3746A (resin) to 1 part 3746B(hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. Apply 3746 using a flat trowel or squeegee and backroll with a 1/4" nap roller. Apply at a spread rate of 100 square feet per gallon evenly with no puddles making sure of uniform coverage. Two coats may be required. Take care not to puddle materials and ensure even coverage.
3. Allow to cure. (Cure times vary depending on environmental conditions.)

TOPCOAT

MIXING AND APPLICATION

DO NOT PREMIX PART B

1. Add 2 parts 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. Apply 3746 using a flat trowel or flat squeegee and backroll with a 1/4" nap roller at 200 square feet per gallon evenly with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
3. Allow to cure for 24 hours minimum before opening to traffic.

Epoxy materials will appear to be cured 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.

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 PRECAUTIONS

Refer to the SDS sheet before use. Published technical data and instructions are subject to change without notice. Contact your Sherwin-Williams representative for additional technical data and instructions.

MATERIAL STORAGE

Store materials in a temperature controlled environment (50-90°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 Sherwin-Williams Technical Service Department.

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 offered at the time of publication.

Consult www.sherwin-williams.com/resin-flooring 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.

THE SHERWIN-WILLIAMS DIFFERENCE

Sherwin-Williams High Performance Flooring delivers world-class industry subject matter expertise, unparalleled technical and specification service, and unmatched regional commercial team support to our customers around the globe.

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PM-279170-20 07/21