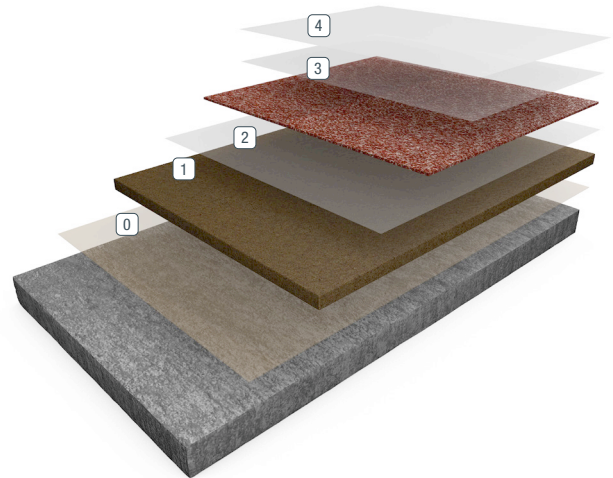


RESUFLOOR™ SCREED DECO QUARTZ

Sherwin-Williams Resufloor Screed

Deco Quartz System is a 3/16" protective resurfacing system that utilizes epoxy and silica aggregates mortar, high build grout and seal coats, and selected decorative aggregates where a heavy-duty decorative flooring system is required.



- 0 Primer
- 1 Mortar
- 2 Broadcast Bonding Coat
- 3 Grout Coat
- 4 Seal Coat

BENEFITS

- Protects substrates from heavy conditions of thermal shock, impact and wear
- Resists degradation from many chemicals, acids and alkalis
- Wide range of colors available
- Varied skid inhabitance
- Available with an antimicrobial agent

USES

- Commercial kitchens, locker rooms, showers
- Healthcare facilities
- Pharmaceuticals
- Food and beverage facilities

TYPICAL PHYSICAL PROPERTIES

Color	Standard Pre-Blended Colors Custom color matching available upon request
Hardness, Shore D ASTM D 2240	80/65
Compressive Strength ASTM C 579	15,000 psi
Tensile Strength ASTM C 307	1,700 psi
ASTM D 638	6,000 psi
Flammability ASTM E 648 Critical Radiant	Class I
Flux Flexural Strength ASTM C 580	3,700 psi
Adhesion ACI 503R	300 psi
Abrasion Resistance ASTM D 4060 CS-17 Wheel 1,000	concrete failure 70-90 mgs lost
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft lbs without cracking, delamination or chipping
Flammability	Self-Extinguishing over concrete

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 Resuflored Screed Deco Quartz. 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. Protect material from freezing prior to installation.

APPLICATION INFORMATION

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	Mortar	3561 5115	4:1	66 sq. ft. / 1¼ gal **70 lbs. / 1¼ gal	1.25 - 250 gals 50 lbs
<100 g/L 0	Bonding Broadcast	3746 5900F	2:1 to excess	100 sq. ft. / gal 0.4 lbs. / sq. ft.	3 or 15 gals 50 lb. bags
<100 g/L	Grout Coat	3746	2:1	100 sq. ft./gal	3 or 15 gals
<100 g/L	Seal Coat	3746	2:1	200 sq. ft./gal	3 or 15 gals

** Additional 5115 aggregate may be added to 1¼ gallon of mixed epoxy to facilitate power troweling (10 lbs. recommended). 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. Apply via brush, roller or spray at a rate of 250 square feet per gallon (6 WFT mils). Wait for primer to become tacky (usually 1 hour minimum). This prevents primer from bleeding through and sliding during mortar placement. If primer cures for more than 4 hours, broadcast lightly but uniformly with clean, dry 40-60 mesh aggregate.

MORTAR

MIXING AND APPLICATION

1. Premix 3561 A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. Add 4 parts 3561A (4 quarts resin) to 1 part 3561B (1 quart hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. Place mixed 3561 into mortar mixer. Slowly add 70 pounds of 5115 aggregate. Mix until aggregate is thoroughly 'wet out.' Immediately dump mortar onto substrate and screed to desired thickness.
3. Compact and smooth the mortar using a hand or power trowel. Allow to cure. (Cure times vary depending on environmental conditions.)

BONDING / BROADCAST COAT

MIXING AND APPLICATION

1. Premix 3746A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. 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.
3. Apply 3746 using a spring steel trowel or red rubber squeegee and backroll with a 3/8" nap roller at a spread rate of 100 sq. ft. per gallon.
4. Broadcast 5900 Decorative Quartz aggregate to excess into the wet bonding coat. Allow to cure before applying topcoat. (Cure times vary depending on environmental conditions.)

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.)

SEAL 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.)

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.

APPLICATION EQUIPMENT

Brush / Roller

Use 1/4" phenolic core rollers and professional quality, medium-stiff natural bristle brushes.

Trowel

Use steel finishing trowel or epoxy mortar power trowel such as one manufactured by Superior.

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 (40°F to 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.

United States & Canada

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