

RESUFLOOR™ AQUA DECO FLAKE SB

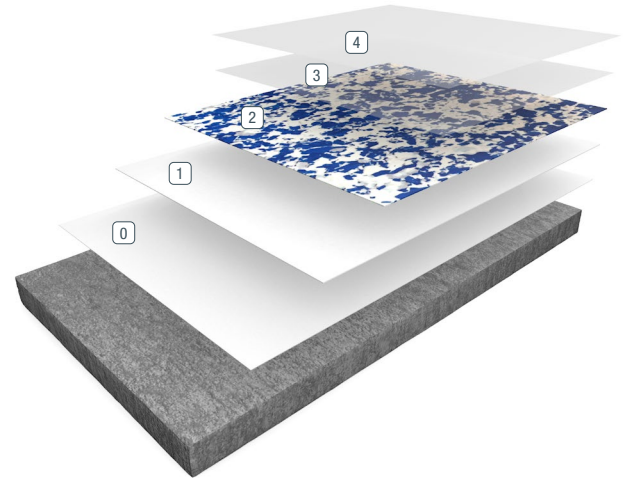
Sherwin-Williams Resufloor Aqua Deco Flake SB is a mosaic pattern floor covering. Decorative vinyl chips are incorporated into a water-based epoxy and sealed with a clear coat of an abrasion resistant, water-based polyurethane that is available in a high gloss or satin finish. Its innovative base chemistry also provides tough chemical resistant protection.

BENEFITS

- Aesthetically pleasing appearance
- Limitless color options
- Breathable
- Can be applied to green concrete after 7 days
- Seamless and sanitary
- Chemical and stain resistant
- High gloss or satin finish

USES

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceutical facilities
- Office buildings and retail spaces
- Locker rooms and restrooms
- Basements and garages



- 0 **Primer**
- 1 **Base**
- 2 **Broadcast**
- 3 **Grout**
- 4 **Seal Coat**

TYPICAL PHYSICAL PROPERTIES

Color	Custom Color Blends
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	64 mg/loss
Flexural Strength ASTM C 580	10,000 psi
Adhesion to Concrete ACI 503R	300 psi (concrete failed)
Flammability ASTM C 579	Self-extinguishing over concrete
Impact Resistance MIL-D-3134J	Direct, >160 inch-pounds, passes Reverse, >80 inch-pounds, passes
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

ASTM C = Mortar System
ASTM D = Resin only

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 Aqua Deco Flake SB System. 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 depending upon system selected. Refer to Surface Preparation 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 – SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT OVER CONCRETE	PACKAGING
<100 g/L	Primer	3479	2:1	200-300 sq. ft. / gal	3 or 15 gals
<100 g/L 0	Broadcast Coat	3479 6750/6755	2:1 To Excess	200-250 sq. ft. / gal 100-200 lbs. / 1,000 sq. ft.	3 or 15 gals 25 lbs.
<50 g/L	Grout Coat	3461	1:2	125-250 sq. ft. / gal	3 or 15 gals
<50 g/L	Seal Coat	4410/4411	4:1	300-400 sq. ft. / gal	1.25 or 5 gals

For additional topcoat options, contact your Sherwin-Williams representative.

PRIMER

MIXING AND APPLICATION

1. Add 2 parts 3479A (resin) to 1 part 3479B (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. 3479 may be applied via spray, roller or brush. Apply at a spread rate of 200-300 sq. ft. per gallon, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. 3479 application varies upon usage.

Note: Epoxy materials may tend to blush at the surface, especially in humid environments. After the surface is primed and before installation of each subsequent coat, surface must be examined for blush (a whitish greasy film and/or low gloss). The blush must be completely removed prior to recoating using warm detergent water or through solvent wipe.

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.

BASE COAT & BROADCAST

MIXING AND APPLICATION

1. Premix 3479A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 2 parts 3479A (resin) to 1 part 3479B (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.
3. Apply 3479 using a squeegee or trowel, and backroll with a 1/4" nap roller at a spread rate of 200-250 square feet per gallon, making sure of uniform coverage. Take care not to puddle materials to ensure even coverage.
4. 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 fall lightly into resin without causing the resin to move. Continue broadcasting to excess until the floor appears completely dry.
5. Allow to cure for 8-12 hours, then sweep off excess vinyl chips with a stiff-bristled broom.

GROUT COAT

MIXING AND APPLICATION

1. Premix 3461A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 1 part 3461A (resin) to 2 parts 3461B (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.
3. Apply 3461 using a squeegee or trowel and backroll with a 1/4" nap roller at a spread rate of 125-250 square feet per gallon, making sure of uniform coverage. Take care not to puddle materials to ensure even coverage.
4. Allow to cure before applying seal coat. (Cure times vary depending on environmental conditions.)

SEAL COAT

MIXING AND APPLICATION

1. Premix 4410/4411A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 4 parts 4410/4411A (resin) to 1 part 4410/4411B (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.
3. Apply 4410/4411 using a 1/4" nap roller at a spread rate of 300-400 square feet per gallon, evenly, making sure of uniform coverage with no puddles.
4. Allow to cure 24 hours minimum before opening to light foot 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 PRECAUTIONS

Refer to the SDS 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-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.

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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.