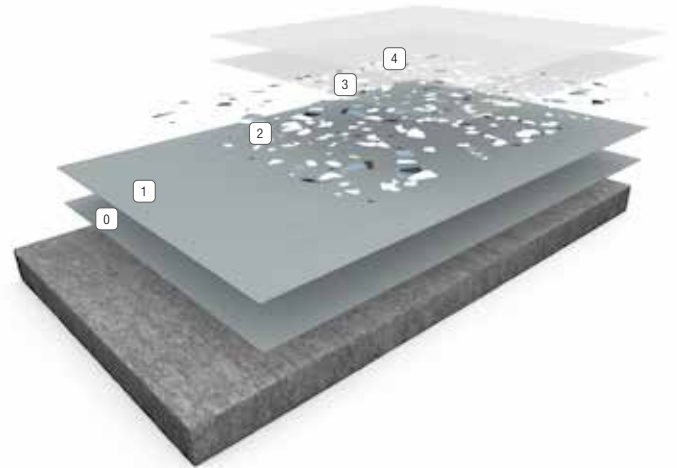


RESUFLOOR™ DECO FLAKE RB

Sherwin-Williams Resufloor Deco Flake RB is a mosaic patterned flooring covering. A random broadcast of decorative vinyl chips is incorporated in a clear or pigmented epoxy and sealed with a clear, high-gloss, polyurethane finish. Its innovative base chemistry also provides tough chemical-resistant protection.



BENEFITS

- Aesthetically pleasing appearance
- Seamless and sanitary
- Limitless color options
- Chemical- and stain-resistant
- High-gloss finish
- Contributes to LEED® v4 credits

USES

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceutical facilities
- Retail and office buildings
- Lockers and restrooms
- Schools and universities
- Stadiums and hospitality events

- 0 Primer
- 1 Basecoat
- 2 Random Broadcast
- 3 Optional Grout Coat
- 4 Topcoat

TYPICAL PHYSICAL PROPERTIES

Color	Standard and unlimited custom color blends available
Abrasion Resistance ASTM D4060 Taber Abraser CS-17 Wheel, 1,000 g load, 1,000 cycles	18 mg/loss Result based on independent lab testing of Resutile™ HTS
Adhesion ASTM D4541	450 psi concrete failure
Adhesion ASTM D7234	732 psi concrete failure
Shore D Hardness ASTM D2240	80-85 @ 0 sec 75-80 @ 15 sec
Flammability	Self-extinguishing over concrete
Flammability ASTM D635	182 mm/min

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 Resuflo Deco Flake RB. 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 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 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	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE	PACKAGING
<50 g/L	Primer	MPE	2:1	321-535 sq ft / gal	3, 15, 165 or 750 gals
<50 g/L	Basecoat	UVE	2:1	107 sq ft / gal	15 gals
0 g/L	Broadcast	6750/6755 Flake	Random broadcast	Varies	25 or 50 lbs
<50 g/L	Optional Grout Coat	UVE	2:1	107 sq ft / gal	15 gals
<50 g/L	Topcoat	HTS 100	Pre-measured kit	535 sq ft / gal	1.09 or 5.5 gals

ALTERNATE SYSTEM #1

<50 g/L	Grout Coat	UVE	2:1	107 sq ft / gal	15 gals
<50 g/L	Seal Coat	UVE	2:1	200 sq ft / gal	15 gals

GENERAL PRODUCT INFORMATION

OPTIONS:

Colors in Resufloor MPE and Resufloor UVE: Use colorants at a rate of one unit per 3-gallon mix. Standard colorants — White, Bright Yellow, Light Gray and Rotunda Red will not impart total hide. Use these colorants at a rate of two units per 3-gallon mix. Similar colorants also may not hide as well. Refer to Color Selection Guide or consult Sherwin-Williams Technical Support. **NOTE:** Even though the background coat is an ultraviolet-resistant epoxy, Light Gray and White may show yellowing over time. **NOTE:** Very dark colors like Steel Gray are not recommended as they create a background that is too dark.

Cove: A seamless, smooth transition can be created between the flooring and wall. Call technical support for assistance.

LIMITATIONS:

Contamination (Fisheyes): Product may fisheye if oil, silicones, mold release agents or other contaminants are present.

PRIMER – RESUFLOOR MPE

A thin coat of primer will wet out concrete, help seal off concrete pores and minimize outgassing bubbles. Apply a tight coat of primer with a clean, flexible squeegee. Backrolling is not recommended. There should be no mil build over the high spots of the concrete. **NOTE:** If faster cure times are required, use Resufloor 3746 FC.

COVERAGE RATE: Much of this will soak into porous concrete. One gallon of Resufloor MPE will cover:

535 square feet at 3 mils wet/dry film

400 square feet at 4 mils wet/dry film

321 square feet at 5 mils wet/dry film

PREMIX PART A using a Jiffy® mixer blade and slow speed drill. (This is required for both 3-gallon and full-filled 5-gallon containers). For full-filled 5-gallon pails, pour out 2 gallons into a measuring container.

Then, pour the measured Part A into a mixing pail.

COLORS: Premix colorants to ensure uniform color. Colorant is added to the Part A and mixed using a Jiffy® mixer blade and slow speed drill. **NOTE:** When using colorant in the bulk units, add the colorant to the Part A that has been measured into the “mixing pail.” Pre-pigment the primer the same color that the seed coat of Resufloor MPE will be to help with hide.

ADD RESUFLOOR MPE PART B TO PART A (3 GALLONS). For full-filled 5-gallon pails, pour out 1 gallon Part B into a measuring container that is separate from the one used with the Part A. Then, add the measured Part B to the Part A already in the mixing pail. **POTLIFE:** Mix only enough material which can be applied within the work time (time between the addition of Part B to Part A and the completion of all application actions). Check the following chart for work times at various temperatures. For smaller quantities, use 2 parts Part A to 1 part Part B by volume.

APPROXIMATE WORK TIME:

65°F	70°F	75°F	80°F	90°F
40 min	30 min	25 min	20 min	15 min

MIX FOR 2 MINUTES using a Jiffy® mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

PUSH THE FLAT SQUEEGEE at an even speed with sufficient down pressure to apply the thinnest coat. **NOTE:** The use of spiked shoes will allow freedom of movement on the wet floor. **CAUTION:** The surface will be slippery.

START THE SECOND AND REMAINING PASSES by pushing material parallel to the first stroke. Hold the bead of material near the center of the bar. **NOTE:** Resufloor MPE applied thin may “bridge” holes and cracks momentarily before soaking in — make sure the previously squeegeed area is overlapped (halfway).

TO REDUCE OUTGASSING BUBBLES, it is best to wait until the primer has set up enough to walk on before applying the seed coat of Resufloor MPE. The primer must be coated within 24 hours at floor temperatures 65-90°F.

BASECOAT – RESUFLOOR UVE

COVERAGE RATE: A gallon of Resufloor UVE will cover:

107 square feet at 15 mils wet/dry film

100 square feet at 16 mils wet/dry film

PREMIX PART A using a Jiffy® mixer blade and slow speed drill. Pour out 2 gallons into a measuring container. Then, pour the measured Part A into a mixing pail.

ADD RESUFLOOR UVE PART B TO PART A (3 GALLONS TOTAL MIX). Pour out 1 gallon Part B into a measuring container that is separate from the one used with the Part A. Then, add the measured Part B to the Part A already in the mixing pail. **POTLIFE:** Mix only enough material which can be applied within the work time (time between the addition of Part B to Part A and the completion of all application actions). Check the following chart for work times at various temperatures. For smaller quantities, use 2 parts Part A to 1 part Part B by volume.

APPROXIMATE WORK TIME:

65°F	70°F	75°F	80°F	90°F
50 min	40 min	35 min	30 min	25 min

MIX FOR 2 MINUTES using a Jiffy® mixer blade and slow speed drill. (Failure to do so could result in lower/diminished coating properties.)

IMMEDIATELY POUR ALL OF THE MIXED MATERIAL onto the floor in a single bead.

PUSH THE FLAT SQUEEGEE at an even speed and down pressure to apply the desired thickness. **NOTE:** The use of spiked shoes will allow freedom of movement on the wet floor.

BACKROLL THE MATERIAL with a 3/8" nap roller for a smooth, uniform appearance. Backrolling is required to remove the puddles and squeegee lap marks in order to obtain uniform texture and a consistent mil thickness. **NOTE:** Get off the Resufloor UVE as soon as possible.

RANDOM BROADCAST – DECORATIVE FLAKE

While the Resufloor UVE is still wet, broadcast the flake into it. Toss by hand the flake up into the air and let it float down for an even appearance. Apply the appropriate amount to achieve the desired effect. **NOTE:** The use of spiked shoes will allow freedom of movement on the wet floor. **CAUTION:** The surface will be slippery.

ALLOW SYSTEM TO CURE 8-10 hours at 75°F.

OPTIONAL GROUT COAT – RESUFLO UVE

For additional thickness and durability, use the above basecoat instructions to mix and apply a clear coat of Resufloor UVE.

Resufloor UVE must be topcoated with ResutileTM HTS 100 at floor temperatures of 65-90°F within 24 hours.

TOPCOAT – RESUTILE HTS 100

NOTE: The topcoat of Resutile HTS 100 must be applied after the Resufloor UVE has set up enough to walk on and within 24 hours. Resutile HTS 100 applied outside of this window will not adhere unless the Resufloor UVE is sanded and cleaned prior to application.

PREMIX PART A FOR 3 MINUTES USING A JIFFY® MIXER BLADE with slow speed drill. **POTLIFE:** Mix only enough material which can be used in a two-hour period. **NOTE:** Once opened, this material cannot be resealed for later use.

POUR PART C INTO PART A while mixing.

CONTINUE TO MIX AND ADD PART B.

MIX FOR 3 MINUTES using a Jiffy® mixer blade and slow speed drill. Pour into application tray.

APPLY RESUTILE HTS 100 at the rate of 535 square feet / gal with a 3/8" nap roller. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate. Dip the roller in the coating and lightly roll out excess in the application tray. Apply two 8- to 10-foot-long paths on the concrete, making one stroke left to right and one right to left. Rewet the roller and apply two more paths adjacent to the first pair. Rewet the roller and apply a third pair adjacent to the second.

SPREAD THE MATERIAL evenly with V-shaped cross passes.

MAKE SURE THE FLOOR HAS JUST ENOUGH COATING TO COVER EVENLY. Excess material could cause the floor to blister, especially in high humidity. Insufficient material will cause the floor to look non-uniform.

LEVEL THE AREA with straight passes that cross the initial material paths. These final strokes will reduce roller marks. If the appearance is not satisfactory, reroll the area.

REMIX THE MATERIAL in the tray occasionally (with the roller) to prevent settling of the Part C (filler).

NOTE: When multiple applicators are used to apply material, inconsistencies between areas may result. To ensure a more uniform finish, an individual outfitted with spiked shoes may finish by pushing or pulling a roller across all applicator areas.

ALLOW COATING TO DRY 24 HOURS at 75°F, 50% relative humidity, before opening to light traffic. Allow more time at low temperatures, low humidity or for heavier traffic. Full coating properties take 7-14 days to develop.

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 of 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 bulletin.

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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