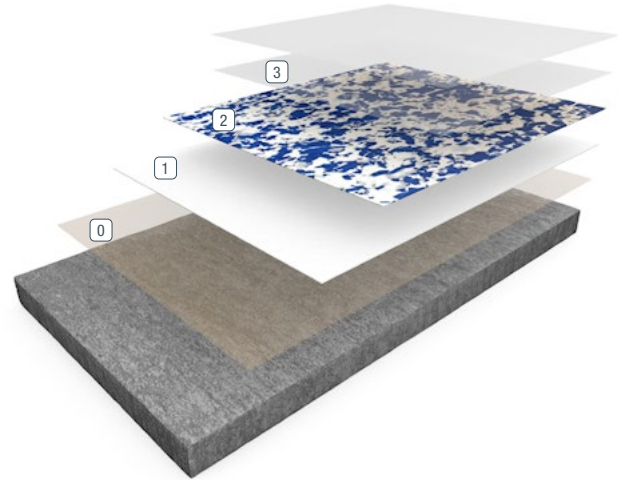


RESUFLOOR™ DECO FLAKE SB

Sherwin-Williams Resufloor Deco Flake SB

is a versatile, nominal 1/16th-inch thick, mosaic patterned floor covering. Decorative vinyl chips are incorporated with clear or pigmented epoxy and sealed with a clear polyurethane finish. The innovative chemistry imparts a finished floor with excellent chemical and abrasion resistance.



- 0 Primer
- 1 Base Coat
- 2 Broadcast
- 3 Grout / Seal Coat

BENEFITS

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

USES

- Nursing homes and healthcare facilities
- Clean rooms and pharmaceutical facilities
- Retail and office buildings
- Locker rooms and restrooms
- Schools and cafeterias

TYPICAL PHYSICAL PROPERTIES

Color	Custom Color Blends Available
Abrasion Resistance ASTM D4060, CS-17 Wheel, 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
Flammability ASTM D635	182 mm/min
Flammability	Self-Extinguishing over concrete

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 Resuflo Deco Flake SB. 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 PER COAT OVER CONCRETE	PACKAGING
<50 g/L	Primer	MPE	2:1	321-535 sq. ft./gal	3, 15, 165 or 750 gals
<50 g/L 0	Body Coat	MPE 6750/6755	2:1 To Excess	133-160 sq. ft./gal 100-200 lbs. / 1,000 sq. ft.	3, 15, 165 or 750 gals 25 lbs.
<50 g/L	Grout Coat	UVE	2:1	107 sq. ft./gal	15 gals
<50 g/L	Seal Coat	HTS 100	Pre-Measured Kit	535 sq. ft./gal	1.09 or 5.5 gals

ALTERNATE SYSTEM #1

V	APPLICATION STEP	MA	MIX RATIO	THEORETICAL COVERAGE PER COAT OVER CONCRETE	PACKAGING
<50 g/L	Grout Ct	UVE	2:1	107 sq. ft./gal	15 gals
<50 g/L	Seal Ct	UVE	2:1	200 sq. ft./gal	15 gals

ALTERNATE SYSTEM #2

V	APPLICATION S	MA	MIX RA	THEORETICAL COVERAGE PER COAT OVER CONCRETE	PACKAGING
<50 g	Grout Coa	4850	2:1	125-200 sq. ft./gal	3 or 15 gals
<50 g	Seal Coa	4850	2:1	150-200 sq. ft./gal	3 or 15 gals

For additional coat options, consult the Sherwin-Williams Topcoat Select contact Williams representative.

PRIMER

MIXING AND APPLICATION - RESUFLO 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 Resuflo 3746 FC.

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

535 sq. ft. at 3 mils wet/dry film

400 sq. ft. at 4 mils wet/dry film

321 sq. ft. 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 bulk units, add the colorant to the Part A that has been measured into the “mixing pail.” Pre-pigment the primer with the same color as the seed coat of Resuflo MPE to help with hide.

ADD RESUFLO 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 for Part A. Then, add the measured Part B to the Part A already in the mixing pail. **POTLIFE:** Mix only enough material that 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:** Resuflo 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 Resuflo MPE. The primer must be coated within 24 hours at floor temperatures 65°F-90°F.

BASE COAT

MIXING AND APPLICATION - RESUFLO MPE

COVERAGE RATE: One gallon of Resuflo MPE will cover:

160 sq. ft. at 10 mils wet/dry film

145 sq. ft. at 11 mils wet/dry film

133 sq. ft. at 12 mils wet/dry film

REPEAT STEPS used for mixing and spreading of the primer coat.

A notched squeegee can be used to increase the thickness applied.

NOTE: As this is a single broadcast of flake, pigment the seed coat of Resuflo MPE the same color as the primer to help with hide.

Immediately after the Resuflo MPE is applied and there is room to roll, a second person will **BACKROLL THE MATERIAL** with a 3/8” roller to a smooth and uniform appearance. **NOTE:** Get off the Resuflo MPE as soon as possible.

APPLICATION - DECORATIVE FLAKE

IMMEDIATELY BROADCAST TO EXCESS WITH DECORATIVE FLAKE into the uncured Resuflo MPE resin on the floor. Do not dump or pile the material. Gently scatter it onto the floor by hand tossing, so as to cover the wet resin completely. **NOTE:** It is important that epoxy is not visible (no wet or shiny areas) after flake settles, because any visible epoxy will yellow.

A coverage rate of 0.2 pounds per sq. ft. of flake is recommended.

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

THOROUGHLY SWEEP AND VACUUM to remove loose colored flake from surface. **NOTE:** DO NOT save and reuse swept and vacuumed colored flake unless you have taken extra precautions.

GROUT COAT

MIXING AND APPLICATION — RESUFLO UVE

COVERAGE RATE: A gallon of Resuflo UVE will cover:
107 sq. ft. at 15mils wet/dry film
100 sq. ft. 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 RESUFLO 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 that 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 uniformed 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 Resuflo UVE as soon as possible.

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

SEAL COAT

MIXING AND APPLICATION — RESUTITE™ HTS 100

NOTE: The topcoat of Resutite HTS 100 must be applied after the Resuflo UVE has set up enough to walk on and within 24 hours. Resuflo HTS 100 applied outside of these window will not adhere unless the Resuflo 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 that 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 RESUTITE HTS 100 at the rate of 535 sq. ft./gallon 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 8-10 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 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 spike 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 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 all Safety Data Sheets 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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