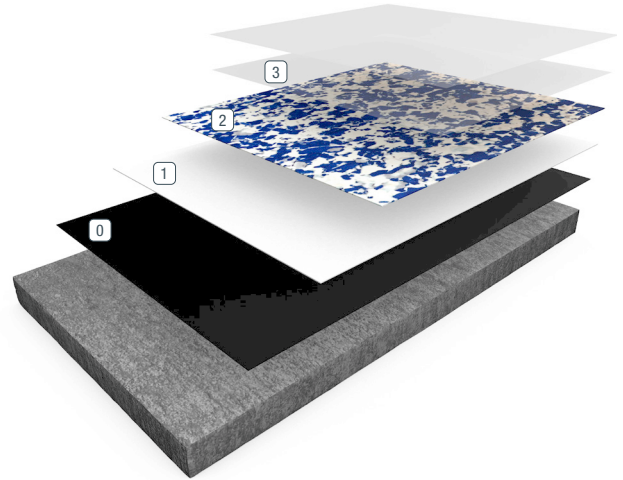


RESUFLOOR™ DECO FLAKE SD

Sherwin-Williams Resufloor Deco Flake SD

is a high-gloss, static dissipative, mosaic pattern floor covering that incorporates vinyl chips in an epoxy base. These chips are sealed with a clear coat of an abrasion-resistant polyurethane glaze that provides a tough-wearing surface.



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

BENEFITS

- Aesthetically pleasing appearance
- Variety of chip blends available
- Seamless, decorative finish
- Protects against static discharge from people or equipment
- Chemical and stain resistant
- Meets ANSI standards for static dissipative floors

USES

- Computer rooms
- Clean rooms and pharmaceuticals
- Hospitals
- Electronic assembly
- Quality control labs

TYPICAL PHYSICAL PROPERTIES

Color	Various Blends Available
Gloss (60 Gloss Meter @ 73F 50% RH)	80-100 pts.
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	35 mgs lost
Ohms Resistance ANSI ESD/ESD 7.1	<10 ⁹
Pencil Hardness ASTM D 3363	2H
Adhesion ACI 503R	350 psi 100% concrete failure
Flammability	Self-Extinguishing over concrete
Impact Resistance MIL-D-3134J	Direct, inch pound greater than 160, passes. Reverse, inch pound greater than 80, passes.
Resistance to Elevated Temperatures 158°F 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 Resuflo Deco Flake SD. 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 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	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3424 reduced 10-20% with potable water	4:1	250-320 sq. ft./gal	1.25 or 5 gals
<50 g/L 0	Body Coat	3564 6750/6755	3:1 To Excess	200-250 sq. ft./gal 100-200 lbs. / 1,000 sq. ft.	4 or 20 gals 25 lbs.
<100 g/L	Grout Coat	3564	3:1	1160-200 sq. ft./gal	4 or 20 gals
<50 g/L	Seal Coat	4620E	2:1	300-530 sq. ft./gal	3 or 15 gals

PRIMER

MIXING AND APPLICATION

1. Premix 3424A (hardener) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. 3424 must be reduced 10-20% with potable water to aid in placement. Add 4 Parts 3424A (hardener) to 1 Part 3424B (resin) and 10-20% potable water. Mix with low-speed drill and Jiffy blade for 3 minutes until uniform.
3. Apply using a short nap roller at a rate of 250-320 square feet per gallon (5-6 WFT mils). Allow to cure at least 4 hours prior to topcoating but no more than 24 hours. A light sanding may be required prior to applying topcoat.
4. Inspect primer coat prior to application of system. Test surface resistance in accordance with ANSI-S7.1. Resistance range should be less than 150,000 ohms. If deviation from this range occurs, consult the Sherwin-Williams Technical Service Department immediately.

BASE COAT

MIXING AND APPLICATION

1. Premix 3564A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 3 parts 3564A (resin) to 1 part 3564B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply using a squeegee or short nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 5-8 mils WFT.
3. 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.
4. Allow to cure for 8-12 hours, sweep off excess vinyl chips with a stiff-bristled broom.

GROUT COAT

MIXING AND APPLICATION

1. Premix 3564A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 3 parts 3564A (resin) to 1 part 3564B (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply using a squeegee or short nap roller at a spread rate of 160-200 sq. ft. per gallon. Allow to cure at least 18 hours.
3. Test surface resistance in accordance with ANSI S7.1. Resistance range should be less than 10^9 ohms. If results are above this range, consult the Sherwin-Williams Technical Service Department immediately.

SEAL COAT

1. Premix 4620EA (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 4620EA (resin) to 1 part 4620 (hardener) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material via airless spray or a 1/4" nap roller cover at a spread rate of 300-530 sq. ft. per gallon to yield 3-5 mils WFT.
3. Allow to cure for 24 hours minimum. Test surface resistance in accordance with ANSI-S7.1. Resistance range should be 10^6 - 10^9 ohms. If deviation from this range occurs, consult the Sherwin-Williams Technical Service Department immediately. Inspect prior to application of topcoat.

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.

United States & Canada

sherwin-williams.com/resin-flooring
swflooding@sherwin.com