

## RESUFLO<sup>™</sup> DECO FLAKE SD

The following information is to be used as a guideline for the installation of the Resuflor Deco Flake SD flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

### APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE	PACKAGING
<50 g/L	Primer	Resuflor <sup>™</sup> 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	Resuflor <sup>™</sup> 3564 6750/6755 Decorative Flake	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	Resuflor 3564	3:1	160-200 sq ft/gal	4 or 20 gals
<50 g/L	Seal Coat	Resutile <sup>™</sup> SDS	Premeasured Kit	300-530 sq ft/gal	1 or 2 gal kits

### INSTALLATION

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for installation of the Resuflor 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°F-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.

## **GENERAL PRODUCT INFORMATION**

### **PRIMER – RESUFLO<sup>TM</sup> 3424**

#### **MIXING AND APPLICATION**

1. Install two-inch copper ground tape or 8 AWG stranded, bare copper wire (min) six-inches onto the floor and up the wall, leaving enough wire to attach to ground. One ground per 1,000 sq ft minimum.
2. Premix 3424A (hardener) using a low-speed drill and Jiffy<sup>®</sup> blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
3. 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 three minutes until uniform.
4. Apply using a short nap roller at a rate of 250-320 sq ft/gal (5-6 WFT mils). Allow to cure at least four hours prior to topcoating but no more than 24 hours. A light sanding may be required prior to applying topcoat.
5. 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 AND BROADCAST – RESUFLO<sup>TM</sup> 3564 AND 6750/6755 DECORATIVE VINYL FLAKE**

#### **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/gal 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 – RESUFLO<sup>TM</sup> 3564**

#### **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/gal. Allow to cure at least 18 hours.
3. Test surface resistance in accordance with ANSI S7.1. Resistance range should be less than 10<sup>9</sup> ohms. If results are above this range, consult the Sherwin-Williams Technical Service Department immediately.

### **SEAL COAT – RESUTILE<sup>TM</sup> SDS**

1. PREMIX PART A USING A JIFFY MIXER BLADE with slow speed drill. POT LIFE: Mix only enough material which can be used within 30 minutes. NOTE: Once opened, this material cannot be resealed for later use.
2. CONTINUE TO MIX AND ADD PART B. MIX FOR ONE MINUTE using a Jiffy mixer blade and slow speed drill.

POUR MIXED PARTS A/B INTO PART C while mixing. NOTE: The part C is not blended – DO NOT SPLIT MIX OR PRODUCT MAY NOT MEET PERFORMANCE SPECIFICATIONS.

MIX FOR THREE MINUTES using a Jiffy mixer blade and slow speed drill. Move the blade up and down the sides of the pail and across the bottom to ensure contents are thoroughly mixed so no dry filler remains.

APPLY Resutile SDS at the rate of 600 ft<sup>2</sup>/gallon (55.7 m<sup>2</sup>/3.78 L) with a 3/8 in (10 mm) nap roller. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate. Material applied at a lower application rate will tend to foam at higher humidities and temperatures. Dip the roller in the coating and lightly roll out excess in the application tray. Apply material in an area no wider than 10 feet (3.0 meters). One dip should cover about 45 sq ft (4.2 m<sup>2</sup>).

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 and will show more roller marks. Insufficient material will cause the floor to look non-uniform. If you cannot see the grit texture, the material is too thick.

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: This product cannot be finish rolled by a separate individual. Late finish rolling may introduce foam in the coating especially at higher humidities and temperatures.

ALLOW COATING TO DRY 24 HOURS at 75°F (24°C), 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.

Allow to cure for 24 hours minimum. Test surface resistance in accordance with ANSI-S7.1. Resistance range should be 10<sup>6</sup>-10<sup>9</sup> 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 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°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 [sherwin-williams.com/resin-flooring](https://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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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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