

RESUFLOTM SCREED DECO FLAKE II SYSTEM

The following information is to be used as a guideline for the installation of the Resufloor Screed Deco Flake II System. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 3-5

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE	PACKAGING
<50 g/L	Primer	MPE	2:1	250 sq. ft./gal.	3, 15 or 165 gals.
<50 g/L	Mortar	MPE PT 250 Aggregate	2:1	19 sq. ft./0.75 gal. @ 1/4" 25 sq. ft./0.75 gal. @ 3/16" 37.2 lbs./0.75 gal.	3, 15 or 165 gals. 37.2 lbs.
<50 g/L	Grout Coat	Resufloor 3746	2:1	200 sq. ft./gal.	3 or 15 gals.
N/A	Broadcast	6750/6755 HPF Flake Decorative Flake	N/A	0.2 lbs./sq. ft.	25 or 50 lbs.
<50 g/L	Grout Coat	UVE	2:1	100-150 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.

IMPORTANT!

Read these instructions carefully several days prior to starting your work. Seek answers to any questions you may have before you begin. Sherwin-Williams maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation. Sherwin-Williams High Performance Flooring materials shall only be installed by approved contractors.

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.
- Concrete - Concrete surfaces shall be abrasive blasted to remove all surface contaminants and laitance. The prepared concrete shall have a surface profile depending upon the 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.

PRIMER – RESUFLOTM MPE

Resufloor PT 250 is applied over Resufloor MPE primer that is still wet or sticky — within 4 hours. It is critical that all concrete is covered to ensure proper adhesion of the overlay.

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. There should be no mil build over the high spots of the concrete.

- Premix Part A using a Jiffy® mixer blade and slow-speed drill. This is required for both 3-gallon and full-filled 5-gallon units.
- Add Resufloor MPE Part B to Part A (3 gallons total mix). **Pot Life:** 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	73°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 the mixed material onto the floor in a single bead.

5. Push the squeegee at an even speed and down pressure to apply the desired thickness. A notched squeegee can be used to increase the thickness applied.
Note: The use of spiked shoes will allow freedom of movement on the wet floor. **Caution:** The surface will be slippery.
6. 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).
7. 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.

MORTAR – RESUFLO PT 250

Resufloor PT 250 is applied over Resufloor MPE primer that is still wet or sticky — within 4 hours. It is critical that all concrete is covered to ensure proper adhesion of the overlay.

1. Premix Resufloor MPE part A (resin) using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. Add 2 parts Resufloor MPE part A (0.5 gallons) to 1 part Resufloor MPE part B (1 quart hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. Pour mixed resin into a mortar mixer and add 1 bag of PT 250 aggregate. Mix until aggregate is thoroughly “wet out.” Immediately dump mortar onto substrate and screed to desired thickness. Larger mixes can be made by increasing each component.
3. Compact and smooth the mortar using a hand or power trowel. Allow to cure. (Cure times vary depending on environmental conditions.)
4. Screed material over desired area. **Note:** The use of spiked shoes will allow freedom of movement on the unfinished overlay. **Caution:** The surface will be slippery.
5. Use hand trowels for edges and touch-up.
6. Power trowel material to compact and achieve finished texture with an epoxy power trowel (<50 RPM) as soon as possible.
7. Allow resurfacer to cure 6-8 hours at 75°F before sealing. Allow more time at low temperatures.

Use of a terrazo grinder or surface grinder to remove high spots and ensure a continuous surface is highly recommended. Vacuum up the loose material.

GROUT/BROADCAST COAT – RESUFLO 3746

1. Premix Resufloor 3746A (resin) using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to whip air into the material.
2. Add 2 parts Resufloor 3746A (resin) to 1 part Resufloor 3746B (hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform.
3. Apply Resufloor 3746 using a spring steel trowel or red rubber squeegee and backroll with a 3/8" nap roller at a spread rate of 200 square feet per gallon, making sure of uniform coverage. Take care not to puddle material and 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 12 hours, sweep off excess vinyl chips with a stiff-bristled broom.

GROUT COAT – RESUFLO UVE

1. Premix Resufloor UVE part A (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 Resufloor UVE part A (resin) to 1 part B (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 Resufloor UVE using a squeegee or trowel and backroll with a 1/4" nap roller at a spread rate of 100-150 square feet per gallon, making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Allow to cure before applying seal coat. (Cure times vary depending on environmental conditions.)

SEAL COAT – RESUTILE HTS 100

1. Premix Part A for three minutes using a Jiffy mixer blade and slow-speed drill. **Note:** Once opened, this material cannot be resealed for later use.
2. Pour Part C into Part A while mixing. Continue to mix and add Part B. Mix for three minutes, being careful to not whip air into material. Pour into an application tray.
3. Apply Resutile HTS 100 at the rate of 500 square feet per gallon with a 3/8" (10 mm) nap roller. For proper appearance and development of physical properties, it is crucial that material is not to be applied above or below the 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 floor, making one stroke left to right and one right to left.

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 SDSs 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°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.

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.

IMPORTANT!

Before using Sherwin-Williams High Performance Flooring products, read and understand their accompanying Safety Data Sheet.

STANDARD TERMS AND CONDITIONS OF SALE, INCLUDING STANDARD WARRANTY APPLY - VISIT industrial.sherwin-williams.com/na/us/en/resin-flooring FOR THE LATEST VERSION.

CAUTION! As with all chemical products, individuals may have different reactions to exposure to specific products. This is dependent upon many factors, including the individual's personal characteristics, the size of the installation, the ventilation available, the intensity of the exposure or the length of the exposure. Individuals may experience discomfort during the installation process of one product, but not another.

In some cases this is experienced as a skin irritation and in others it is experienced as an inhalant irritation. Typically, it disappears once the exposure is eliminated. In some cases people can become "sensitized" to a product and experience the discomfort every time there is exposure without Personal Protective Equipment ("PPE").

To protect yourself from various exposures or discomfort during the mixing and application of our products, we recommend covering exposed skin including using gloves, long sleeves, safety glasses and a respirator such as the 3M 8577 P95 Universal Disposable Carbon Respirator or a cartridge respirator.

Use only as directed. KEEP OUT OF REACH OF CHILDREN.

Do not reseal moisture-contaminated hardener. This will result in carbon dioxide generation or possible violent rupture of container.

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

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