RESUFLOR™ DECO FLAKE ONE

The following information is to be used as a guideline for the installation of the Resuflor Deco Flake One 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 PER COAT	PACKAGING
<100 g/L	Primer	Resuprime™ 3579	2:1	200-300 sq ft/gal	3 or 15 gals
<50 g/L 0	Body Coat	Resuflor™ 3746 6750/6755 Vinyl Flake	2:1 To Excess	200-300 sq ft/gal 100-200 lbs/1,000 sq ft	3 or 15 gals 50 lbs
<50 g/L	Grout Coat	Accelera® One	Varies	100 sq ft/gal	2, 10 or 50 gals
<50 g/L	Seal Coat	Accelera One	Varies	200 sq ft/gal	2, 10 or 50 gals

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 equal to CSP 1-3. Refer to Form G-1.

Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

After initial preparation has occurred, inspect the concrete for bugholes, voids, fins and other imperfections. Protrusions shall be ground smooth while voids shall be filled with a Sherwin-Williams system filler. For recommendations, consult the Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature should be 50°F. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen off-gassing. The material should not be applied in direct sunlight, if possible.

RESUPRIME™ 3579 – MIXING AND APPLICATION

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low-speed drill and Jiffy® blade for 3 minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. 3579 may be applied via spray, roller or brush. Apply at a spread rate of 200-300 square feet per gallon, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture. DO NOT ALLOW TO PUDDLE. Any uneven or textured surfaces will require more material than an even surface.
3. 3579 application varies upon usage.

   NOTE: Epoxy materials may tend to blush at the surface, especially in humid environments. After the surface is primed and before installation of each subsequent coat, surface must be examined for blush (a whitish greasy film and/or low gloss). The blush must be completely removed prior to recoating using warm detergent water or solvent wipe.

   Epoxy materials will appear to be cured and dry to touch prior to full chemical cross linking. Allow epoxy to cure for 2-3 days prior to exposure to water or other chemicals for best performance.

RESUFLOR™ 3746 BASE COAT AND FLAKE BROADCAST – MIXING AND APPLICATION

1. Premix 3746A (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 3746A (resin) to 1 part 3746B (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 3746 using a squeegee or trowel and backroll with a 1/4-inch nap roller at a spread rate of 200-300 square feet per gallon making sure of uniform coverage. Take care not to puddle materials 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.

ACCELERA® ONE GROUT AND TOPCOAT – MIXING AND APPLICATION

Accelera One resin requires the addition of Accelera One hardener to cure. The amount of hardener will vary based on ambient temperature.

60°F (16°C): Use 7.5 oz of hardener/1 gallon of resin

65°F (18°C): Use 7.0 oz of hardener/1 gallon of resin

70°F (21°C): Use 6.5 oz of hardener/1 gallon of resin

75°F (24°C): Use 6.0 oz of hardener/1 gallon of resin

80°F (27°C): Use 5.5 oz of hardener/1 gallon of resin

85°F (29°C): Use 5.0 oz of hardener/1 gallon of resin

Proper planning is essential for satisfactory appearance of the finished floor. Lay out installation in sections to allow full width to be finished in 7 minutes or less.

NOTE: This product is best suited for application in temperatures between 60°F and 85°F and jobsite relative humidity between 25% and 85%. Surface temperature should be 5°F above the dew point.

NOTE: The minimum recoat window is 2 hours (@70°F/50% RH) and the maximum recoat window is 48 hours (@70°F / 50% RH). Recoat window starts from the time the products are mixed.

NOTE: For each application of material and before mixing, mark your batches to ensure you achieve your spread rate targets. This is best accomplished by dividing your target spread rate by the width of the area being coated (or your planned wet edge). Example: If your spread rate is 100 square feet and your area is 20 feet wide, you would make a mark every 5 feet (100 divided by 20 = 5).

MANPOWER REQUIREMENTS (@70°F AND 50% RH)

Because of the fast curing of Accelera One products assign one person to each job – do not multitask:

1 person mixing

1 person running pails

1 person squeegee

1 person back-rolling

NOTES:

- Additional manpower will be required for complex installations requiring cut-in work.
- Above manpower applies to maximum 40-foot wet edge.

GROUT COAT APPLICATION

Grout Coat Spread Rate: 100 sq ft/gal @ 16mils

MIX AND APPLY ONE BATCH AT A TIME - DO NOT MIX HARDENER AND RESIN TOGETHER UNTIL BATCH IS READY FOR IMMEDIATE APPLICATION. ACCLIMATE MATERIAL TO JOBSITE CONDITIONS BEFORE STARTING.

Measure the amount of hardener according to the mix ratio chart provided above. Pour the hardener into the resin container; scrape bottom and sides with a mix stick to assure that all material is transferred to the resin bucket. Use the hardener pail to scrape the mix stick and never scrape mix stick on the side of the mix pail. Using a 750 RPM drill with a 3" jiffler blade, mix the resin and hardener for 30 seconds. Material should be clear and no streaks should be present. Use a 5" jiffler blade for larger mixes.

Pour the entire batch onto the floor in a 4 to 6" ribbon. Use a flat squeegee over broadcast surfaces to spread the material evenly. Spread rate will vary depending on substrate, broadcast media and finish texture desired.

Cross roll the material pushing a 3/8-inch nap roller in the same direction immediately after the squeegee to ensure there are no puddles. All rolling should be completed within 15 minutes. Allow to cure for 2 hours (@ 70°F/50% RH).

TOPCOAT APPLICATION

Topcoat Spread Rate: 200 sq ft/gal @ 8 mils.

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 (40°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 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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