

## RESUFLO<sup>™</sup>R DECO QUARTZ ONE

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

### APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
<50 g/L	Optional Primer	Resuflo MPE	2:1	133-160 sq ft/gal	3, 15, 165 or 750 gals
<50 g/L 0	1st Broadcast	Resuflo MPE 5900F Colored Quartz	2:1 To excess	133-160 sq ft/gal .4 lbs/sq ft	3, 15, 165 or 750 gals 50 lbs
<50 g/L 0	2nd Broadcast	Resuflo MPE 5900F Colored Quartz	2:1 To excess	65-70 sq ft/gal .4 lbs/sq ft	3, 15, 165 or 750 gals 50 lb bag
<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

### APPLICATION INFORMATION

#### 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 4-6. 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.

## RESUFLO<sup>™</sup> MPE PRIMER – MIXING AND APPLICATION

**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

**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.) For full-filled 5 gallon pails, pour out 2 gallons into a measuring container. Then, pour the measured Part A into a mixing pail.

**ADD RESUFLO MPE PART B TO PART A (3 GALLONS TOTAL MIX).** For full-filled 5-gallon pails, 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 which 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 3 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 SQUEEGEE** at an even speed using downward 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.

**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 and push at an even speed with slight down pressure.

**BACKROLL THE MATERIAL** with a 3/8-inch 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.

## RESUFLO MPE FIRST BASECOAT AND BROADCAST – MIXING AND APPLICATION

**APPLICATION – 1ST BROADCAST COAT – QUARTZ AGGREGATE IMMEDIATELY BROADCAST TO EXCESS WITH DECORATIVE QUARTZ** 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 quartz settles because any visible epoxy will yellow. A coverage rate of 0.4 to 0.5 pounds per square feet of quartz is recommended.

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

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

## RESUFLO MPE SECOND BASECOAT AND BROADCAST – MIXING AND APPLICATION

**COVERAGE RATE:** One gallon of Resuflo MPE will cover 65-70 sq ft/gal at 22-24 mils wet/dry film.

**REPEAT STEPS** used for mixing and spreading of the first seed coat.

**REPEAT STEPS** used for application of the broadcast quartz.

## 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 multi-task:

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 JOB SITE 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 @ 80 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 (40-90°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.

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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### United States & Canada

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