RESUFLOR SCREED SF SLOPE AND FILL MORTAR

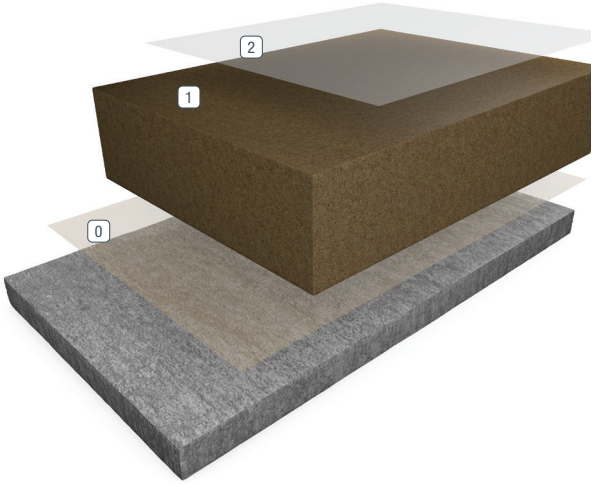
Sherwin-Williams Resuflor Screed SF - Slope and Fill Mortar System is a high solids, moisture tolerant epoxy mortar underlayment system designed for sloping and filling applications. The superior wetting properties of the binder resin allow high aggregate loading, providing a cost-effective alternative to slower curing materials.

BENEFITS

- Low modulus of elasticity, stress relieving epoxy
- Fast setting, next day turnaround
- 6” in single lift
- Moisture tolerant
- Cost effective

USES

- New construction and renovation projects that require deep patching or sloping underlayment
- Changing the pitch to an existing slab
- Repair deep holes and gouges



0 **Primer**

1 **Mortar**

2 **Grout Coat**

TYPICAL PHYSICAL PROPERTIES

Color	Clear Amber
Compressive Strength ASTM C 579	8,000 psi
Compressive Modulus ASTM C 579	300,000 psi
Tensile Strength ASTM D 638	3,500 psi
Tensile Elongation ASTM D 638	12-18%
Flexural Strength ASTM D 790	7,000 psi
Adhesion ACI 503R	300 psi failure at concrete
Abrasion Resistance ASTM D 4060	0.1 grams lost
Resistance to Elevated Temperatures	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 Resuflor Screed SF Slope and Fill Mortar System. 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 4-9

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3579	2:1	250 sq. ft./gal	3 or 15 gals
<50 g/L 0 0	Mortar	3579 7310 3/16-3/8" aggregate 5115 Trowel Mortar Blend	2:1	12 sq. ft./gal / 1½ gal. @1" 75 lbs. 37 lbs.	3 or 15 gals 50 lbs. 50 lbs.
<50 g/L	Grout	3579	2:1	Varies according to density	3 or 15 gals

For additional topcoat options, contact your Sherwin-Williams representative.

PRIMER

MIXING AND APPLICATION

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. Apply via brush, roller or spray at a rate of 250 square feet per gallon (6 WFT mils). Wait 1-3 hours for primer to become tacky. This prevents primer from bleeding through and sliding during mortar placement. If primer is allowed to cure for more than 4 hours, broadcast lightly but uniformly with clean, dry 20-30 mesh aggregate.

MORTAR

MIXING AND APPLICATION

1. Add 2 parts 3579A (1 gallon resin) to 1 part 3579B (1/2 gallon hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. Place mixed 3579 in mixer and slowly add 75 lbs. of 7310 aggregate 3/16" - 3/8" aggregate and 37 lbs. 5115 Trowel Mortar Aggregate Blend. Mix until aggregate is thoroughly 'wet out.' Immediately dump mortar onto substrate and screed to desired thickness.
2. Compact and smooth the mortar using a hand trowel. Allow system to cure overnight.

GROUT

MIXING AND APPLICATION

1. Add 2 parts 3579A (1 gallon resin) to 1 part 3579B (1/2 gallon hardener) by volume. Mix with low speed drill and Jiffy mixer for three minutes until uniform.
2. Apply 3579 using a spring steel trowel or red rubber squeegee and backroll at a spread rate sufficient to fill any voids and pinholes in the surface. Coverage will vary depending on the density of the existing fill. Allow to cure overnight.

APPLICATION EQUIPMENT

BRUSH / ROLLER

Use 1/4" phenolic core rollers and professional quality, medium-stiff natural bristle brushes.

TROWEL

Use steel finishing trowel or power trowel such as manufactured by Superior.

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 (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 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.

High Performance Flooring
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