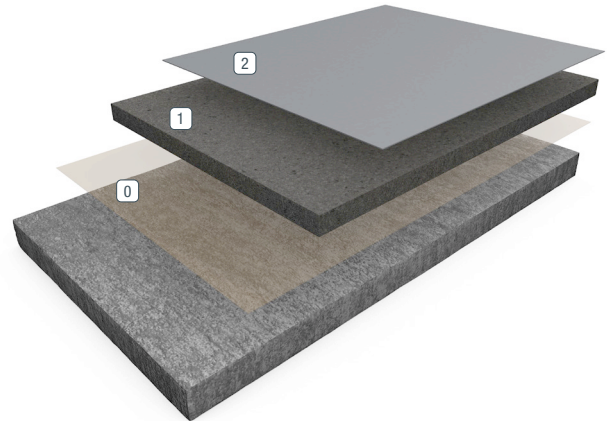


RESUFLOOR™ SCREED M 46

Sherwin-Williams Resufloor Screed M 46

flooring system is a 1/4" troweled mortar with an epoxy binder and metallic aggregate. The finished system has excellent resistance to impact, wear and abrasion, with chemical resistance provided by the optional topcoat.



0 Primer

1 Mortar

2 Topcoat
(Optional)

BENEFITS

- Rust resistant
- Protects substrates from heavy impact and abrasion from mechanical forces
- Aggressive bond to properly prepared substrates
- Few installation steps accelerate project turnaround time

USES

- Steel wheel traffic
- Factory floors, loading docks and ramps
- Refuse facilities
- Drum storage areas
- Tipping floors
- Patching and overlay of damaged floors
- Maintenance shops

TYPICAL PHYSICAL PROPERTIES

Compressive Strength ASTM C 579	15,000 psi
Tensile Strength ASTM C 307	2,300 psi
Hardness, Shore ASTM D 2240	75
Flexural Strength ASTM C 580	5,000 psi
Abrasion ASTM D 2240 CS-17 Wheel, 1,000 cycles	65 mgs
Heat Deflection Temperature ASTM D 648	110°F

ASTM C = Mortar system
ASTM D = Resin only

INSTALLATION

The following information is to be used as a guideline for the installation of the Resuflor Screed M 46. 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 equal to CSP 4-6. 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 Sherwin-Williams system 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 substrates should occur while temperature is falling to lessen off gassing. The material should not be applied in direct sunlight, if possible.

APPLICATION INFORMATION

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	Mortar	3561 5326	4:1	25-27 sq. ft. / 1.25 gal @ 1/4" 120 lbs. / 1.25 gal	1.25 to 250 gals 40 lbs.
<100 g/L	Optional Seal Coat	3746	2:1	200 sq. ft. / gal	3 or 15 gals

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or 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.
2. Apply via brush, roller or spray at a rate of 250 square feet per gallon (6 WFT mils). Wait for primer to become tacky (usually 1 hour minimum). This prevents primer bleed through and sliding during mortar placement. If primer cures for more than 4 hours, broadcast lightly but uniformly with clean, dry 20-30 mesh aggregate.

MORTAR

MIXING AND APPLICATION

1. Premix 3561A (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 4 parts 3561A (1 gallon resin) to 1 part 3561B (1 quart hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. Place mixed 3561 into mixer. Slowly add 120 pounds (3 bags) of 5326 Malleable aggregate. Mix until aggregate is thoroughly 'wet out.' Immediately dump mortar onto substrate and screed to desired thickness.
3. Compact and smooth the mortar using a hand or power trowel. The finished mortar should be 1/4" thick system. Every attempt should be made to trowel a smooth, level floor. Allow system to cure for 10 hours @ 73°F prior to opening to foot traffic.

TOPCOAT (OPTIONAL)

MIXING AND APPLICATION

1. Premix 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 3746A (resin) to 1 part 3746B (hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. Apply via squeegee and backroll using a 1/4" nap roller at a rate of 200 square feet per gallon (8 WFT mils).
3. Allow to cure 24 hours minimum before opening to light foot traffic.

NOTE: Epoxy materials will appear to cure and be "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.

APPLICATION EQUIPMENT

Brush / Roller

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

Trowel

Use steel finishing trowel or epoxy mortar power trowel such as one 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 to 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.

United States & Canada

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