

RESUFLOTM SCREED TG46 TX II

The following information is to be used as a guideline for the installation of Resuflo Screed TG46 TX II. 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 CONCRETE	PACKAGING
<50 g/L	Primer	Resuprime TM 3579	2:1	250 sq. ft./gal.	3 or 15 gals.
<50 g/L 0	Mortar	Resuflo MPE PT 250 Aggregate	2:1	19 sq. ft./0.75 gals. @ 1/4" 25 sq. ft./0.75 gals. @ 3/16" 37.2 lbs./0.75 gals.	3, 15 or 165 gals. 37.2 lbs.
<100 g/L 0	Bonding Broadcast	3746 5310-8 (20-40 mesh)	2:1 to excess	100 sq. ft./gal. 200 lbs./1,000 sq. ft.	3 or 15 gals. 50 lb. bags
<100 g/L	Grout	3746	2:1	100 sq. ft./gal.	3 or 15 gals.
<100 g/L	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.

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 HPF maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation. Large areas will require two or more mixers.

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.

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°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

MIXING AND APPLICATION

1. Add 2 parts Resuprime 3579A (resin) to 1 part Resuprime 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 for primer to become tacky (usually 1 hour minimum). This prevents primer from bleeding through and sliding during mortar placement. If primer cures for more than 4 hours, broadcast lightly but uniformly with clean, dry 40-60 mesh aggregate.

MORTAR

MIXING AND APPLICATION

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 gals.) 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.)

BONDING/BROADCAST COAT

MIXING AND APPLICATION

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 100 square feet per gallon.
4. Broadcast 5310 Dry Silica Sand (20-40 mesh) or other approved aggregate to excess into the wet bonding coat. Allow to cure before applying seal coat. (Cure times vary depending on environmental conditions.)

GROUT COAT

MIXING AND APPLICATION

1. Sweep off using a clean, stiff-bristled broom or vacuum to remove excess aggregate. 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 100 square feet per gallon. Allow to cure 8-10 hours minimum before applying topcoat.

SEAL COAT

MIXING AND APPLICATION

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. Allow to cure 24 hours minimum before opening to 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 acetone 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 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.

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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