

RESUFLOTM SCREED TG46 SP/C II

The following information is to be used as a guideline for the installation of the Resufloor Screed TG46 SP/C II 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	PACKAGING
<50 g/L	Primer	3424 1-1.5 pints water per 1.25 gallon kit	4:1	250 sq ft/gal	1.25 gals
<100 g/L 0	Mortar	3564 5115CC	3:1	14.5 sq ft / 1 gal @ 1/4" 20 lbs / 1 gal	4 to 20 gals 40 lb bag
<50 g/L	Grout Coat	3424 1-1.5 pints water per 1.25 gallon kit	4:1	100 sq ft/gal	1.25 gals
<50 g/L	Seal Coat	3725	2:1	300 sq ft/gal	3 or 15 gals

For additional topcoat options, consult 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.

SURFACE PREPARATION

All static control flooring systems must be connected through an equipotential couple to a permanent earth ground. It is absolutely critical that a true earth ground is established and that a reference ground not be used. The ground couple is established over the primer layer with a conductive strip, mesh, wire or tape in accordance with EOS/ESD S6, "Standard for Protection of Electrostatic Discharge Susceptible Items – Grounding – Recommended Practice." Contact the Sherwin-Williams Technical Service Department for additional information.

PRIMING

- Premix 3424A (hardener) and 3424B (resin) separately, using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the material.
- Add 4 parts 3424A (hardener) to 1 part 3424B (resin) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. 3424 must be reduced with potable water up to 10-15% minimum. DO NOT reduce product until after both components have been mixed together for 90 seconds. Mix side A and side B for a minimum of 90 seconds, then ADD 1-1.5 pints water per 1.25-gallon kit. Reduction water must be added after A side and B side are mixed first.
- Apply using a short nap roller at a rate of 250-320 square feet per gallon (5-6 WFT mils). Allow to cure for at least 4 hours prior to topcoating but no more than 24 hours. A light sanding may be required prior to applying topcoat.
- Inspect primer coat prior to application of system. Test surface resistance in accordance with NFPA 99. Resistance range should be less than 150,000 ohms. If deviation from this range occurs, consult the Sherwin-Williams Technical Service Department immediately.

MORTAR

- Premix 3564 A and B components separately using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to whip air into the materials.
- Add 3 parts 3564A (3 quarts resin) to 1 part 3564B (1 quart hardener) by volume. Mix with a low-speed drill and Jiffy mixer for three minutes until uniform. Slowly add 20 lbs. of 5115CC (selected gradation aggregate), mix an additional one minute or until material is wet out.
- Apply using a flat steel trowel. Allow to cure overnight.

GROUT

- Inspect primer coat prior to application of system. Test surface resistance in accordance with NFPA 99. Resistance range should be less than 150,000 ohms. If deviation from this range occurs, consult the Sherwin-Williams Technical Service Department immediately.
- Premix 3424A (hardener) and 3424B (resin) separately, using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the material.

- C. Add 4 parts 3424A (hardener) to 1 part 3424B (resin) by volume. Mix with low-speed drill and Jiffy blade for three minutes until uniform. 3424 must be reduced with potable water up to 10-15% minimum. DO NOT reduce product until after both components have been mixed together for 90 seconds. Mix side A and side B for a minimum of 90 seconds, then ADD 1-1.5 pints of water per 1.25-gallon kit. Reduction water must be added after A side and B side are mixed first.
- D. Apply using a flat trowel or squeegee at a rate of approximately 100 square feet per gallon and backroll with a short nap roller. Allow to cure for at least 4 hours prior to seal coating but no more than 24 hours. A light sanding may be required prior to applying seal coat. **NOTE:** Coverage will vary depending on how well the mortar was applied.

SEAL COAT

- A. Inspect base coat prior to application of seal coat. Test surface resistance in accordance with NFPA 99. Average resistance range should be 25,000-1,000,000 ohms. If deviation from this range occurs, consult the Sherwin-Williams Technical Service Department immediately.
- B. Both A & B components of 3725 must be premixed to disperse conductive elements evenly throughout the resin. It is normal to have color variations in the components even after premixing.
- C. Premix 3725A (resin) and 3725B (hardener) separately, using a low-speed drill and Jiffy mixer. Mix for one minute until uniform, exercising caution not to whip air into the material.
- D. Add 2 parts 3725A (resin) to 1 part 3725B (hardener) by volume. Mix with low-speed drill and Jiffy mixer for three minutes until uniform. Apply using a squeegee or short nap roller at a spread rate of 275-400 sq. ft. per gallon to yield 4-6 mils WFT. Strictly adhere to published coverage rates.
- E. Allow to cure for at least 24 hours before opening to light foot traffic.

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 Safety Data 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.

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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