

RESUFLOTM TOPCOAT FX

The following information is to be used as a guideline for the installation of the Resufloor Topcoat FX flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	PRODUCT	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	Resuprime TM 3579	2:1	200 sq ft/gal	3 or 15 gals
<50 g/L	Midcoat	Resufloor TM 3555	1:1	80 sq ft/gal	2 or 10 gals
<100 g/L	Seal Coat	Resutile TM HPS	Pre-measured kit	500 sq ft/gal	1.09 or 5.5 gals

For additional topcoat options, consult the Sherwin-Williams Topcoat Selection Guide or contact your Sherwin-Williams Representative.

INSTALLATION

Sherwin-Williams materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Resufloor Topcoat FX. 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 60°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 off gassing. The material should not be applied in direct sunlight, if possible.

PRIMER – RESUPRIMETM 3579**MIXING AND APPLICATION**

1. Add 2 parts 3579A (resin) to 1 part 3579B (hardener) by volume. Mix with low-speed drill and Jiffy[®] blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
2. 3579 may be applied via spray, roller or brush. Apply at a spread rate of 200 sq ft per gallon, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
3. Wait until primer is tacky (usually 1 hour minimum), before applying the midcoat.

MIDCOAT – RESUFLOTM 3555**MIXING AND APPLICATION**

1. Premix 3555A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to whip air into the materials.
2. Add 1 part 3555A (resin) to 1 part 3555B (hardener). Mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material using a 1/4" V-notched trowel or 1/4" V-notched squeegee and backroll with a looped roller at a spread rate of 80 sq ft per gallon to yield 20 mils WFT.
3. Allow to cure. (Cure times vary depending on environmental conditions.)

SEAL/FINAL COAT – RESUTILETM HPS 100**MIXING AND APPLICATION**

1. Only tint with HPF Universal Colorants. Do not tint with GIS colorants. Use two pints of colorant per ~1.88 gallon mix of Parts A and B. Standard colorants: White, Bright Yellow, Rotunda Red and Sandy Beige will not impart total hide. Similar colorants also may not hide as well. Resutile HPS 100 must be applied over a Sherwin-Williams ultra-high solids epoxy. Epoxy must be thoroughly sanded and cleaned prior to application of Resutile HPS 100.
2. Premix Part A for 3 minutes using a Jiffy mixer blade with slow speed drill. Pot Life: Mix only enough material which can be used in a two-hour period. Note: Once opened, this material cannot be resealed for later use. Colors: Premix Sherwin-Williams colorants before adding to Resutile HPS 100 to ensure uniform color. Add colorant to Resutile HPS 100 Part A.
3. Add Part B while mixing. Mix for 3 minutes using a Jiffy mixer blade and slow speed drill. Pour into application tray.
4. Apply Resutile HPS 100 at the rate of 500 sq ft/gallon (46.45 m²/3.78 litres) with a 3/8" nap roller. For proper appearance and development of physical properties, it is crucial that material is not applied above or below this rate. Dip the roller in the coating and lightly roll out excess in the application tray. Apply two 8-10 foot (2.4-3.0 meters) long paths on the concrete, making one stroke left to right and one right to left. Rewet the roller and apply two more paths adjacent to the first pair. Rewet roller and apply a third pair adjacent to the second. Spread the material evenly with V-shaped cross passes. Make sure the floor has just enough coating to cover evenly. Excess material could cause the floor to blister, especially in high humidity. Insufficient material will cause the floor to look non-uniform. Level the area with straight passes that cross the initial material paths. These final strokes will reduce roller marks. If the appearance is not satisfactory, reroll the area.
5. Allow coating to dry 24 hours at 75°F (24°C), 50% relative humidity before opening to light traffic. Allow more time at low temperatures, low humidity or for heavier traffic. Full coating properties take 14 days to develop.

APPLICATION EQUIPMENT BRUSH/ROLLER

Use 3/8" lint free phenolic core rollers and professional quality, medium stiff natural bristle brushes.

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 (50°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 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.

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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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