RESUFLOR™ TOPCOAT SDU/C

The following information is to be used as a guideline for the installation of Resuflor Topcoat SDU/C. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
<50 g/L	Primer	Resuflor Aqua 3424	10%-20% water	250 sq. ft./gal.	1.25 or 5 gals.
<50 g/L	Build Coat	Resutile™ SDS (satin)	Pre-measured kit	600 sq. ft./gal.	1.09 gals./kit
<100 g/L	Topcoat	Resutile SDS (satin)	Pre-measured kit	600 sq. ft./kit	1.09 gals./kit

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

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 1-3. Refer to Form G-1.

After initial preparation has occurred, inspect the concrete for bug holes, voids, fins and other imperfections. Excessive surface profile may require a body coat prior to system application. 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°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.

GENERAL PRODUCT INFORMATION

Colors in Resuflor SDU/C Satin: Use colorants at a rate of one-half unit per 1-gallon mix.

LIMITATIONS

Colors: The use of color is recommended in Resutile SDS Satin. DO NOT USE WHITE.

Contamination (Fisheyes): Product may fisheye if oil, silicones, mold release agents or other contaminants are present.

Chemical Resistance/Staining: Reduced chemical resistance and staining are possible in pigmented versions of the system.

PRIMER - RESUFLOR AQUA 3424

A. Install 2" copper ground tape or 8 AWG stranded, bare copper wire (min) 6" onto the floor and up the wall, leaving enough wire to attach to ground. One ground per 1,000 square feet minimum. See Grounding Conductive/Static Dissipative Flooring Guide.

B. Premix GP3424A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to whip air into the material.

C. Resuflor Aqua 3424 must be reduced to aid in placement. Add 4 parts GP3424A (resin) to 1 part GP3424B (hardener) and 10%-20% potable water by volume. Mix with low speed drill and Jiffy blade for 3 minutes or until uniform.

D. Apply using a short nap roller at a rate of 250-320 square feet per gallon (5-6 WFT mils). Allow to cure at least 4 hours prior to topcoating but no more than 24 hours. A light sanding may be required prior to applying topcoat.

E. Inspect primer coat prior to application of system. Test surface resistance in accordance with ASTM F150. Resistance range should be less than 150,000 ohms. If deviation from this range occurs, consult your Sherwin-Williams representative immediately.

F. It is recommended to quickly sand the surface with 100 mesh sandpaper to remove any clumps of carbon or debris sticking up, followed by a thorough vacuuming.

BUILD COAT - RESUTILE SDS (SATIN)

A. Premix Part A using a Jiffy mixer blade with slow-speed drill. Pot Life: Mix only enough material which can be used within 30 minutes. **NOTE:** Once opened, this material cannot be resealed for later use.

B. Continue to mix and add Part B. Mix for 1 minute using a Jiffy mixer blade and slow-speed drill.

C. Pour mixed Parts A/B into Part C while mixing. **NOTE:** The Part C is not blended – **DO NOT SPLIT MIX OR PRODUCT MAY NOT MEET PERFORMANCE SPECIFICATIONS.**

D. Mix for 3 minutes using a Jiffy mixer blade and slow-speed drill. Move the blade up and down the sides of the pail and across the bottom to ensure contents are thoroughly mixed so no dry filler remains.

E. Colors: Use colorants at a rate of one-half unit per 1 gallon of Resutile SDS Satin. Premix Tennant colorant before adding to the combined Parts A/B/C to ensure uniform color. Add colorant to combined Parts A/B/C and mix using a Jiffy mixer blade and slow-speed drill. Mix until well blended. Pour into application tray.

F. Apply Resutile SDS at the rate of 600 square feet/gallon 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. Material applied at a lower application rate will tend to foam at higher humidities and temperatures. Dip the roller in the coating and lightly roll out excess in the application tray. Apply material in an area no wider than 10 feet. One dip should cover about 45 square feet.

G. Spread the material evenly with V-shaped cross passes.

H. Make sure the floor has just enough coating to cover evenly. Excess material could cause the floor to blister, especially in high humidity, and will show more roller marks. Insufficient material will cause the floor to look non-uniform. If you cannot see the grit texture, the material is too thick and this coat is normal to show some shadowing of the darker primer.

I. 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.

J. Remix the material in the tray occasionally (with the roller) to prevent settling of the Part C (filler).

NOTE: This product cannot be finish-rolled by a separate individual. Late finish rolling may introduce foam in the coating, especially at higher humidities and temperatures.

K. The final topcoat must be applied within 24 hours.

TOPCOAT - RESUTILE SDS (SATIN)

A. Premix Part A using a Jiffy mixer blade with slow-speed drill. Pot Life: Mix only enough material which can be used within 30 minutes. **NOTE:** Once opened, this material cannot be resealed for later use.

B. Continue to mix and add Part B. Mix for 1 minute using a Jiffy mixer blade and slow-speed drill.

C. Pour mixed Parts A/B into Part C while mixing. **NOTE:** The Part C is not blended – **DO NOT SPLIT MIX OR PRODUCT MAY NOT MEET PERFORMANCE SPECIFICATIONS.**

D. Mix for 3 minutes using a Jiffy mixer blade and slow-speed drill. Move the blade up and down the sides of the pail and across the bottom to ensure contents are thoroughly mixed so no dry filler remains.

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G. Spread the material evenly with V-shaped cross passes.

H. Make sure the floor has just enough coating to cover evenly. Excess material could cause the floor to blister, especially in high humidity, and will show more roller marks. Insufficient material will cause the floor to look non-uniform. If you cannot see the grit texture, the material is too thick.

I. 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.

J. Remix the material in the tray occasionally (with the roller) to prevent settling of the Part C (filler).

NOTE: This product cannot be finish-rolled by a separate individual. Late finish rolling may introduce foam in the coating, especially at higher humidities and temperatures.

K. Allow coating to dry 24 hours at 75°F, 50% relative humidity before opening to light traffic. Allow more time at low temperatures, low humidity or for heavier traffic. Full coating properties take 7-14 days to develop.

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 at 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 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.

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