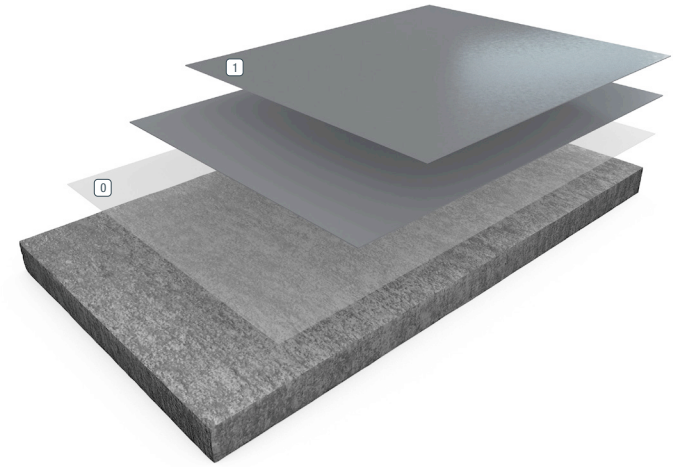
RESUFLOR TOPCOAT TX

Sherwin-Williams Resuflor Topcoat TX combines a unique aliphatic polyurethane resin and a durable powdered aggregate to provide an abrasion-resistant seal coat that extends the life expectancy of a standard urethane topcoat. Resuflor Topcoat TX is specially formulated to resist wear patterns in high traffic areas while maintaining chemical and color (UV) stability.



0 Primer

1 Seal Coat

ADVANTAGES

- UV stable
- High solids
- Acceptable for use in USDA inspected facilities
- Excellent chemical resistance
- Abrasion resistant
- High gloss
- Resistant to Betadine staining
- Scuff resistant

USES

- Healthcare facilities
- Animal holding
- Laboratories
- Clean rooms
- Restrooms
- Change rooms
- Corridors
- Production floors

LIMITATIONS

- Do NOT premix Part B hardener
- Humidity must not exceed 80%

TYPICAL PHYSICAL PROPERTIES

Color	Standard
Solids, by weight	94%
Cure: Dry to touch **Recoat** **Foot Traffic** **Wheeled Traffic Full Cure**	12 hours 15 hours 18-24 hours 2 days minimum
Abrasion Resistance ASTM D 4060, CS-17 Wheel, 1,000 cycles	30 mgs
Adhesion ACI 503R	350 psi 100% concrete failure
Elongation ASTM D 638	25.4%
Tensile Strength ASTM D 638	3,217 psi

ASTM D = Resin only

INSTALLATION

The following information is to be used as a guideline for the installation of the Resuflor Topcoat TX. 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 1-3. Refer to Form G-1. Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

TEMPERATURE

Throughout the application process, substrate temperature should be 40ºF minimum. Substrate temperature must be at least 5ºF above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen off gassing.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 1-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3579	2:1	200-250 sq ft / gal	3 or 15 gals
<50 g/L 0	Seal Coat Pigmented	4687 5240	2:1 4 lbs. / gal	500 sq ft / gal (minimum)	3 or 15 gals 50 lb. bags

For different seal coat(s) such as 4686 Ultra High Solids Aliphatic Urethane Clear, consult individual Technical Data Sheets for mixing and application instructions.

PRIMER

MIXING AND APPLICATION

1. Premix 3579A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. 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.
3. 3579 may be applied via spray, roller or brush. Apply 6-8 mils, evenly, with no puddles. Coverage will vary depending upon porosity of the substrate and surface texture.
4. Allow to cure a minimum of 8 hours.

SEAL COAT

MIXING AND APPLICATION

1. Premix 4687A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
2. Add 2-parts 4687A (resin) to 1-part 4687B (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. While mixing add 2-4 lbs. per gallon of 5240 Part C and mix for additional 30 seconds. Pour into an application tray.
3. Apply 4687 using a 1/4” nap roller at a spread rate of 500 square feet per gallon minimum, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Apply dipping and rolling out of the application tray as evenly as possible while strictly adhering to the coverage rate. Using a 9” roller will help maintain a consistent application thickness over normal waves and inconsistencies in the concrete.
5. Cross-roll the material in multiple directions to level out any roller marks until appearance is satisfactory.
6. Remix the material (using the roller) every time roller is dipped in the applicator tray to prevent settling of the 5240 Part C.
7. A second application may be applied within 15-24 hours.

NOTE: Applying material thicker than the published coverage will result in a higher gloss and loss of texture.

CLEAN UP

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/resinflooring 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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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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