

## RESUFLOL AQUA TOPCOAT TX SYSTEM

**Sherwin-Williams Resufrol Aqua Topcoat TX System** combines a water-based epoxy primer/ basecoat and water-based aliphatic polyurethane topcoat with a durable powdered aggregate to provide an abrasion resistant floor coating. This versatile system can be applied at 10-25 mils and wears 8-10 times better than comparable epoxy coatings. Aqua Topcoat TX is specially formulated to resist wear patterns in high traffic areas, while maintaining chemical and color (UV) stability.

### BENEFITS

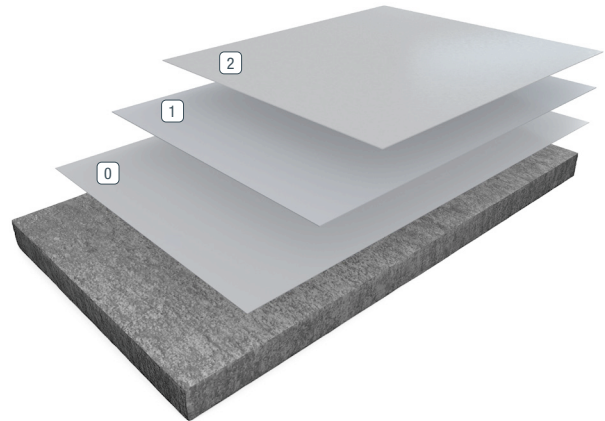
- Breathable
- Excellent adhesion to most substrates
- Water based
- Up to 10 times the life expectancy of typical topcoats
- Chemical and stain resistant
- Resists wear patterns
- Satin or flat finish
- Can be applied to damp concrete

### USES

- Heavy traffic aisles
- Warehouses
- Manufacturing facilities
- Corridors or traffic corridors

### LIMITATIONS

- Protect materials from freezing



- 0 Primer
- 1 Optional Base Coat
- 2 Topcoat

### TYPICAL PHYSICAL PROPERTIES

<b>Color</b>	Standard colors Can be tinted at local SW store
<b>Solids, by volume</b>	52% ±2%, depending on color or base
<b>Pot Life, pint mass</b>	1.5 hours
<b>Coverage 4 mils WFT</b>	400 sq. ft. / gal
<b>Cure Time</b>	Dry to Touch 4 hours Recoat min 4, max 18 hours Light Foot Traffic 24 hours Wheeled Traffic 48 hours
<b>Abrasion Resistance</b> ASTM D 4060, Type Wheel, CS17 1,000 Cycles	60 mgs lost
<b>Slip Resistance</b> ASTM F 1679-04	Dry 0.7 Wet 0.6

ASTM D = Resin only

**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 Resuflor Aqua Topcoat TX System. 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.

**NOTE:** 3460 and filler may be used to fill voids and any other surface imperfections. For recommendations, consult the Sherwin-Williams Technical Service Department.

**TEMPERATURE**

Throughout the application process, substrate temperature should be 50-85°F. Substrate temperature must be at least 5°F above the dew point. Cure times will be extended in conditions of high humidity and poor ventilation due to low evaporation rate. 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.

**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	3460	1:4	200-250 sq. ft./gal	1.25 or 5 gals
<50 g/L	Base Coat (Optional)	3460	1:4	100-200 sq. ft./gal	1.25 or 5 gals
<50 g/L	Topcoat	4410	4:1	400 sq. ft./gal	4 or 20 gals 50 lbs. bag
<50 g/L	Gloss Finish Satin	4411	4:1		
0	Finish	5240	8-12 lbs. /4 gal unit		

## PRIMER

### MIXING AND APPLICATION

**NOTE:** For improved hiding and finished color consistency, 3460 should be tinted at a Sherwin-Williams store to a color similar to the 4410/4411 Topcoat.

1. Premix 3460B (hardener) 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 1 part 3460A (resin) to 4 parts 3460B (hardener), mix with low speed drill and Jiffy blade for three minutes until uniform. Add 20% water and mix an additional 2-3 minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio instructions.
3. 3460 may be applied via spray, roller or brush. Apply using a 1/4" nap non-shedding enamel roller cover at a spread rate of 200-250 sq. ft. per gallon to yield 6-8 WFT mils evenly with no puddles.
4. Allow to cure a minimum of 4 hours and maximum of 18 hours, depending on environmental conditions.

## OPTIONAL BASE COAT

### MIXING AND APPLICATION

1. Premix 3460B (hardener) 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 1 quart 3460A (resin) to 1 gallon 3460B (hardener), mix with low speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio instructions.
3. 3460 may be applied via roller or brush or squeegee. Apply at a spread rate of 100-200 sq. ft. per gallon to desired thickness.
4. Allow to cure overnight.

## TOPCOAT

### MIXING AND APPLICATION

1. Premix 4410A/4411A (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 4 gallons 4410A/4411A (resin) to 1 gallon 4410B/4411B (hardener), mix with low speed drill and Jiffy blade for three minutes until uniform. To ensure proper system cure and performance, strictly follow mix ratio instructions. While mixing add 8-12 lbs. of 5240 Part C and mix for an additional 30 seconds. Pour into application tray.
3. 4410/4411 may be applied via roller or brush. Apply using a 1/4" nap non-shedding, enamel roller cover at a spread rate of 400 sq. ft. per gallon to yield 4 WFT mils evenly with no puddles, by dipping and rolling out of the application tray as evenly as possible. Can dilute up to 10% with potable water to aid flow.
4. Cross-roll the material in multiple directions to level out any roller marks until appearance is satisfactory.
5. Remix the material (using the roller) every time roller is dipped into application tray.  
**NOTE:** Applying this material thicker than the published coverage rate will affect appearance and functionality of the high-wear finish.
6. Allow 48 hours to cure for water exposure and 7 days for chemical exposure.

## 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 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 (50-90°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](http://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.

## 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

[sherwin-williams.com/resin-flooring](http://sherwin-williams.com/resin-flooring)  
[swflooding@sherwin.com](mailto:swflooding@sherwin.com)