

RESUFLOOR™ AQUA TOPCOAT COATING SYSTEM

Sherwin-Williams Resufloor Aqua Topcoat is a 2-3 coat flooring system that uses water-based resin technology, Resufloor Aqua. It can be installed quickly, and is environmentally friendly and resistant to problems associated with moisture from concrete.

BENEFITS

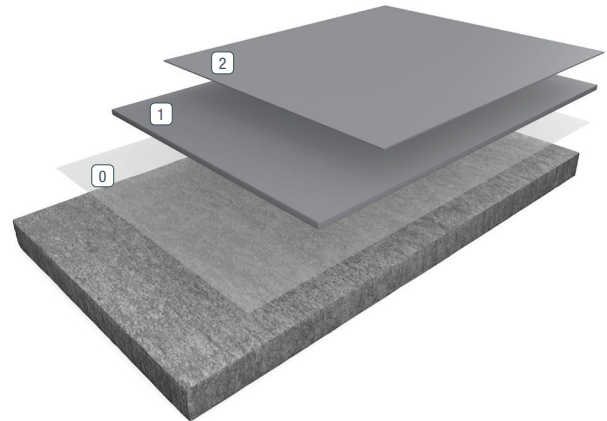
- No testing for moisture necessary
- All systems breathe
- Rapidly installed
- Seamless
- Good chemical resistance
- Can be applied to “green” concrete
- 100 times the permeability of standard epoxy floor systems
- Water clean up
- Acceptable for use in USDA inspected facilities

USES

- Warehouses
- Aircraft hangars
- Manufacturing flooring
- Garages

LIMITATIONS

- Protect material from freezing



- 0 Primer
- 1 Fill Coat / Body Coat (optional)
- 2 Topcoat

TYPICAL PHYSICAL PROPERTIES

Color	Can be tinted in local SW stores to a wide range of colors
Viscosity, Mixed	1,800 – 2,400 cps
Pot Life	2-3 hours
Cure Time	
Dry to touch (as coating)	30-90 min.
Recoat	1-2 hours
Foot	2 hours
Traffic	12 hours
Hardness @ 14 days Shore D ASTM D 2240	80
Adhesion ACI 503R	300 psi concrete failure
ASTM D = Resin only	

INSTALLATION

Sherwin Williams High Performance Flooring materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the RESUFLO AQUA TOPCOAT Coating 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. For recommendations, consult the Sherwin-Williams Technical Service Department.

TEMPERATURE

Throughout the application process, substrate temperature should be 50-90°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. Protect material from freezing prior to installation.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 3-5

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	Fill Coat/Body Coat (Optional)	3460	1:4	60-200 sq. ft./gal	1.25 or 5 gals
<50 g/L	Topcoat	3462 4-5 mils	3:1	160-200 sq. ft./gal	4 or 20 gals

For additional topcoat options, contact your Sherwin-Williams representative.

PRIMER

MIXING AND APPLICATION

1. Premix Part B using a low-speed drill and Jiffy blade.
Mix until uniform, exercising caution to not introduce air into the product.
2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low-speed drill and Jiffy blade until uniform (typically 90 seconds). To ensure proper cure and performance, strictly follow the mix ratio.
3. Apply 3460 using a flat or notched squeegee coat and backroll with a high quality 3/16" nap roller. Apply at a spread rate 200-250 square feet per gallon to yield 6-8 mils WFT, evenly with no puddles, making sure of uniform coverage.
4. Allow to cure 10-12 hours.

OPTIONAL FILL COAT/BASE COAT

MIXING AND APPLICATION

1. Premix Part B using a low-speed drill and Jiffy blade.
Mix until uniform, exercising caution to not introduce air into the product.
2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low-speed drill and Jiffy blade until uniform (typically 90 seconds). To ensure proper cure and performance, strictly follow the mix ratio.
3. Apply 3460 using a flat or notched squeegee coat and backroll with a high quality 3/16" nap roller. Apply at 60-200 square feet per gallon to yield 10-25 mils WFT a spread rate evenly with no puddles, making sure of uniform coverage. This can be achieved in one or two coats depending upon requirements. Cross hatch backrolling is recommended for uniformity. Coverage will vary depending upon porosity of the substrate and surface texture.

TOPCOAT

MIXING AND APPLICATION

1. Premix 3462A (resin) and 3462B (hardener), separately 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 3 parts 3462A (resin) to 1 part 3462B (hardener), mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material using a 3/8" nap roller at a spread rate of 160-200 sq. ft. per gallon to yield 8-10 mils WFT depending upon substrate. DO NOT EXCEED 15 MILS WFT.
3. Allow to cure 12 hours minimum before opening to traffic. (Cure times vary depending on environmental conditions.)

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 (40°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.

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.