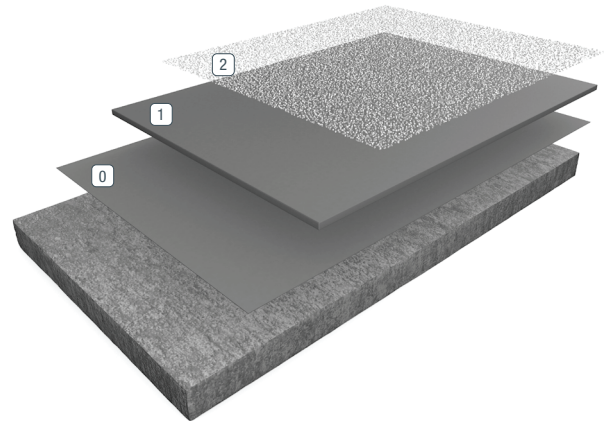


RESUFLOOR™ AQUA VAPOR CONTROL SYSTEM “AVC”

Sherwin-Williams Resufloor Aqua AVC is a unique, water-based epoxy applied to concrete to control moisture vapor emissions. AVC is a breathable epoxy that provides a reservoir for excessive moisture from the concrete that could cause loss of bond of thin-set epoxy terrazzo toppings. AVC is easily applied with a v-notched trowel/squeegee or roller.



0 Primer

2 Broadcast

1 Slurry

BENEFITS

- Water-based, breathable
- Moisture insensitive
- Withstands vapor emissions

USES

- For impermeable flooring systems
- Use when moisture readings are less than 10 lbs. as measured by ASTM F1869 or less than 85% relative humidity as measured by ASTM F2170

LIMITATIONS

- Use only with Sherwin-Williams epoxy terrazzo
- Do not apply to wet surfaces (no visible water)
- Substrate must be structurally sound, dry and free of bond-inhibiting contaminants
- During installation and initial cure, cycle substrate and ambient air temperature must be at a minimum of 50°F (for lower temperature installation, contact the Sherwin-Williams Technical Service Department)
- Cure times will be extended in conditions of high humidity (>75% relative humidity) provide additional air movement and or dehumidification
- Concrete must have an effective vapor barrier

TYPICAL PHYSICAL PROPERTIES FOR AVC (3460) ONLY

Color	Off White, Medium Gray
Mix Ratio A:B	1:4
Pot Life	60 minutes
Solids, by weight	55% ± 2%, mixed
VOC (Volatile Organic Content) EPA Method 24	<50 g/L mixed; 0.41
Coverage @ 10-20 mils WFT	80-160 sq. ft.
Cure Time	Dry to Touch 4-6 hrs. Recoat 10-12 hrs. Light Traffic 18-24 hrs.

Gloss
60 Gloss Meter @ 73F, 50% RH

< 80 millage units

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 AVC. 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 of CSP 4-6. 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.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
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<50 g/L
0

Option #1
AVC

3460
5310 Dry Silica
Sand - (20-40 mesh)

1:4
Broadcast
to Excess

100-150 sq. ft./gal

1.25 or 5 gals

Proceed to install terrazzo flooring or proceed with resinous floor installation.

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
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<50 g/L

Option #2
AVC

3460

1:4

80-100 sq. ft./gal

1.25 or 5 gals

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
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<50 g/L
0

Primer for System
Installation

3579
5310 Dry Silica
Sand (20-40 mesh)

2:1
Broadcast to
Excess

250 sq. ft./gal

3 or 15 gals

Proceed to install terrazzo flooring or proceed with resinous floor installation.

AVC - OPTION #1

MIXING AND APPLICATION

1. Premix 3460 Part A (resin) and 3460 Part B (hardener) separately, using a low-speed drill and Jiffy blade. Mix until uniform, exercising caution to not whip 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. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3460 using a tight squeegee coat and backroll with a high quality 3/16" nap roller. Apply at a spread rate of 10-15 mils evenly with no puddles making sure of uniform coverage. Broadcast 5310- Dry Silica Sand 20-40 mesh to excess.
4. Allow to cure 12 hours minimum. (Cure times vary depending on environmental conditions.)
5. Proceed with application of terrazzo system or with resinous floor installation.

AVC - OPTION #2

MIXING AND APPLICATION

1. Premix 3460 Part A (resin) and 3460 Part B (hardener) separately, using a low-speed drill and Jiffy blade. Mix until uniform, exercising caution to not whip 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. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
3. Apply 3460 using a tight squeegee coat and backroll with a high quality 3/16" nap roller. Apply at a spread rate of 20 mils evenly with no puddles making sure of uniform coverage.
4. Allow to cure 12 hours minimum. (Cure times vary depending on environmental conditions.)

PRIMER FOR SYSTEM INSTALLATION

5. 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.
6. Apply epoxy primer 3579 via spray, roller or brush. Apply at a spread rate of 250 sq. ft. per gallon, evenly, with no puddles. Broadcast 5310-Dry Silica Sand 20-40 mesh to excess.
7. Proceed with application of terrazzo system or with resinous floor installation.

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.