

RESUFLO[™] AQUA VAPOR CONTROL SYSTEM “AVC”

The following information is to be used as a guideline for the installation of the Resuflo Aqua Vapor Control System. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<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	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Option #2 AVC	3460	1:4	80-100 sq. ft./gal.	1.25 or 5 gals.
<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.

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 maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation.

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°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.

AVC - OPTION #1

MIXING AND APPLICATION

- 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.
- 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.

- C. 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.
- D. Allow to cure 12 hours minimum. (Cure times vary depending on environmental conditions.)
- E. Proceed with application of terrazzo system or with resinous floor installation.

AVC - OPTION #2

MIXING AND APPLICATION

- A. 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.
- B. 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.
- C. 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.
- D. Allow to cure 12 hours minimum. (Cure times vary depending on environmental conditions.)

PRIMER FOR SYSTEM INSTALLATION

- E. 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.
- F. Apply epoxy primer 3579 via spray, roller or brush. Apply at a spread rate of 250 square feet per gallon, evenly, with no puddles. Broadcast 5310-Dry Silica Sand 20-40 mesh to excess.
- G. 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 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.

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](https://www.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.

United States & Canada

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