

RESUFLOTM AQUA TOPFLOOR AC

The following information is to be used as a guideline for the installation of the Resuflo Aqua Topfloor AC 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	Optional for outgassing primer	3460 plus 20% potable water	1:4	250 sq. ft./gal.	1.25 or 25 gals.
<50 g/L 0	Slurry	3460 5150 Aggregate	1:4	80-90 sq. ft. per 2.5 gal. 30 lbs. per 2.5 gals. @ 1/8"	1.25 gals. or 25 gals. 30 lb. bag
0	Broadcast	5310 - #7	To excess	0.7 lbs. per sq. ft.	50 lb. bag
<50 g/L	Grout	3460	1:4	100 sq. ft./gal.	1.25 or 25 gals.
<50 g/L	Topcoat	4410/4411	4:1	400-500 sq. ft./gal.	1.25 or 5 gals.

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

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 Topfloor AC 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 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 (10°C-32°C). 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.

PRIMER

MIXING AND APPLICATION

- 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.
- Add 1 part 3460A (resin) to 4 parts 3460B (hardener) plus 20% potable water. Mix with low-speed drill and Jiffy blade until uniform. To ensure proper system cure and performance, strictly follow mix ratio recommendations.
- 3460 may be applied via spray, roller or brush. Apply at 250 square feet per gallon to yield 6-8 mils WFT evenly with no puddles, making sure of uniform coverage. Coverage will vary depending upon porosity of the substrate and surface texture.
- Two applications of 3460 Primer may be necessary to adequately seal and fill the surface imperfections, and protect against outgassing. This can be accomplished by applying two tight, flat squeegee coats (pushing not pulling) in opposite directions at 15-20 minutes apart.

SLURRY COAT – BROADCAST TO 1/8"

MIXING AND APPLICATION

- A. 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.
- B. Add 2 quarts 3460A (resin) to 2 gallons 3460B (hardener) by volume. Mix with low-speed drill and Jiffy blade until uniform. Slowly add up to 30 lbs. 5150 Resufloor Aqua aggregate per 2.5 gallons of mixed material. Mix with low-speed drill and Jiffy blade until uniform and no lumps remain.
- C. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee.
- D. Allow material to self-level. The surface should be lightly backrolled with a looped roller to help smooth. Use a spiny roller to aid in the release of air.
- E. System must be broadcast with silica sand (5310) to build to 1/8" thickness.
- F. Allow to cure 18 hours minimum before applying grout coat. (Cure times vary depending on environmental conditions.)

NOTE: Temperatures and environmental conditions may impact leveling. It is acceptable to reduce the aggregate loading up to 10% of the 5150 Resufloor Aqua aggregate to improve leveling. Excess air movement across the surface should be avoided.

GROUT COAT

MIXING AND APPLICATION

- A. Premix 3460 Part B using a low-speed drill and Jiffy blade. Mix until uniform, exercising caution not to introduce air into the material.
- 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. Take care not to puddle materials and ensure even coverage.
- C. Apply 3460 using a tight squeegee coat and backroll with a high quality 3/16" nap roller. Apply at a spread rate of 100 square feet per gallon evenly with no puddles, making sure of uniform coverage. Two coats may be required over broadcast Resufloor Aqua Slurry system.
- D. Allow to cure 12 hours minimum before applying topcoat. (Cure times vary depending on environmental conditions.)

TOPCOAT

MIXING AND APPLICATION

- A. Premix 4410/4411A (resin) using a low-speed drill and Jiffy blade. Mix for one minute until uniform, exercising caution not to introduce air into the material.
- B. Add 4 parts 4410/4411A (resin) to 1 part 4410/4411B (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.
- C. Apply 4410/4411 using a 1/4" nap roller at a spread rate of 400-500 square feet per gallon, evenly, with no puddles, making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
- D. Allow to cure 24 hours minimum before opening to light foot traffic.
- E. To reduce or eliminate nonskid texture, grind or sand prior to application of topcoat.

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 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/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 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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