

RESUWALL AQUA GR I FIBERGLASS REINFORCED WALL AND CEILING SYSTEM

Sherwin-Williams Resuwall Aqua GR I Fiberglass Reinforced Wall and Ceiling System is a multilayer, high build wall and ceiling surfacing system that utilizes an epoxy base coat with fiberglass mesh reinforcement added for dimensional stability and greater durability. The system utilizes a UV stable, chemical resistant finish coat.

BENEFITS

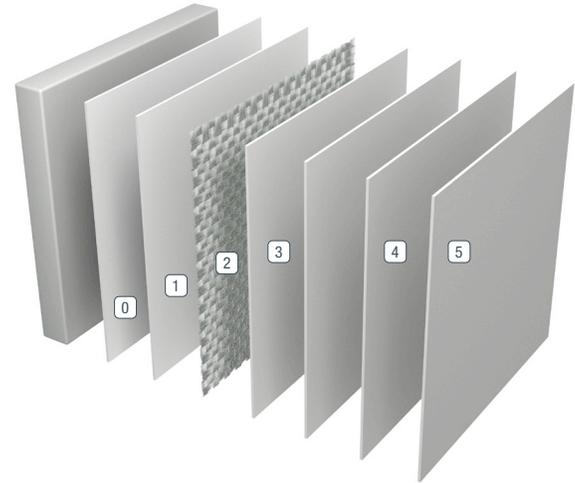
- Smooth and durable
- Highly washable surface
- Fiberglass reinforced for maximum tensile strength
- Available with an antimicrobial agent

USES

- Commercial kitchens and service corridors
- Pharmaceutical facilities and laboratories
- Healthcare and clean rooms
- Animal holding
- Food and beverage facilities
- Locker rooms, showers and restrooms
- Packaging and storage areas
- Cage and skid wash areas

LIMITATIONS

- Avoid gypsum-based substrate or repair materials in continuously wet areas



- ① Primer
- ② Base / Saturant Coat
- ③ Reinforcement
- ④ Saturant Coat
- ⑤ Level Coat (1-2 coats)
- ⑥ Finish Coat

TYPICAL PHYSICAL PROPERTIES

Color	White, custom colors available
Hardness, Shore D ASTM D 2240	65/60
Tensile Strength ASTM D 638	9,000 psi
Adhesion ACI 503R	300 psi Substrate failure
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures	No slip or flow at required temperature 158°F
Fungus & Bacteria Resistance MIL-D-3134F Sec. 4.4.2.11	Will not support growth of fungus or bacteria per test specified TT-P-34

ASTM D = Resin only

INSTALLATION

Sherwin-Williams Resuwall Aqua GR I materials shall only be installed by approved contractors. The following information is to be used as a guideline for the installation of the Resuwall GR I Fiberglass Reinforced Wall and Ceiling 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

Consult the Surface Preparation Form G-1 for surface preparation for gypsum board, concrete block, plywood or concrete masonry unit (CMU).

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

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3462G	3:1	200-250 sq. ft./gal	4 or 20 gals
<50 g/L	Base Coat	3462G	3:1	100-200 sq. ft./gal	4 or 20 gals
0	Bound Cloth Reinforcement	FC38-5.6 oz.			100 yds. / roll
<50 g/L	Saturant Coat	3462G	3:1	250-300 sq. ft./gal	4 or 20 gals
<50 g/L	Level Coat	3462G	3:1	250-300 sq. ft./gal	4 or 20 gals
<50 g/L	Optional 2nd Level Coat	3462G	3:1	250-300 sq. ft./gal	4 or 20 gals
<50 g/L	Finish Coat	4410/4411	4:1	400 sq. ft./gal	1.25 or 5 gals

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

PRIMER

MIXING AND APPLICATION

1. Premix 3462G (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 3462G (resin) to 1 part 3462B (hardener), mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material using a 1/4" short nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 5 mils WFT.
3. Allow to cure for a minimum of 3 hours depending upon air movement.

BASE COAT

MIXING AND APPLICATION

1. Premix 3462G (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 3462G (resin) to 1 part 3462B (hardener), mix with low-speed drill and Jiffy blade for three minutes until uniform.
3. 3462G may be applied via spray, roller or brush. Apply using a 1/4" nap roller at a spread rate of 200-250 sq. ft. per gallon to yield 6-8 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture.

FIBERGLASS REINFORCEMENT

1. Apply FC 38-5.6 oz. bound fiberglass cloth for walls and 4 oz. for ceilings directly into wet resin. Do not allow material to cure or recoating will be necessary.
2. Hang fiberglass cloth directly to the wall similar to hanging wallpaper so seams are uniform and even. Overlap each strip using a double cut method. Remove the trimmed material behind the front strip.
3. After hand affixing to wall, use a broad knife to remove air pockets, wrinkles or any irregularities.

SATURANT COAT

MIXING AND APPLICATION

1. Premix 3462G (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 3462G (resin) to 1 part 3462B (hardener). Mix with low-speed drill and Jiffy blade for three minutes until uniform.
3. 3462G may be applied via spray, roller or brush. Apply using a 1/4" nap roller at a spread rate of 250-300 sq. ft. per gallon to yield 5-6 mils WFT evenly with no runs. Coverage will vary depending upon porosity of the substrate and surface texture. Allow to cure overnight (minimum 10 hours) before lightly sanding seams, bumps and other imperfections caused by the saturant coat with 60-80 grit sandpaper.
4. Sand any imperfections prior to applying finish coat.

LEVEL COAT

MIXING AND APPLICATION

1. Apply 3462G as described in previous step.
2. Allow to cure overnight.
3. An additional second level coat may be applied.
4. Sand any imperfections prior to applying finish coat.

FINISH COAT

MIXING AND APPLICATION

1. 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.
2. 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.
3. Apply 4410/4411 using a 1/4" nap roller at a spread rate of 400-800 square feet per gallon, evenly, with no puddles making sure of uniform coverage. Take care not to puddle materials and ensure even coverage.
4. Allow to cure 24 hours minimum before opening to light foot traffic.

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.