

RESUWALL AQUA GR II FIBERGLASS MAT REINFORCED WALL AND CEILING SYSTEM

Sherwin-Williams Resuwall Aqua GR II Fiberglass Mat Reinforced Wall and Ceiling System is a multilayer, high build wall and ceiling surfacing system that utilizes an epoxy base coat with fiberglass mat reinforcement added for dimensional stability, strength and greater durability.

BENEFITS

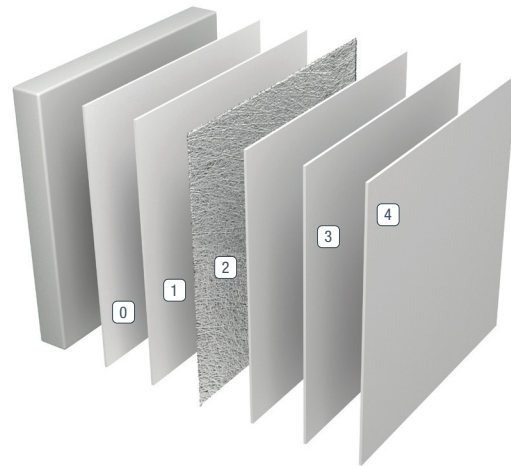
- Smooth and durable
- Highly washable surface
- Fiberglass reinforced for maximum tensile strength
- Low odor permits installation during normal working hours
- Fiberglass reinforced for maximum tensile strength

USES

- Commercial kitchens and service corridors
- Animal care and pharmaceutical facilities
- Healthcare and clean rooms
- Food and beverage facilities
- Locker rooms, showers and restrooms
- Packaging and storage areas

LIMITATIONS

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



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

TYPICAL PHYSICAL PROPERTIES

Color	White, custom colors available
Hardness, Shore D ASTM D 2240	80
Tensile Strength ASTM D 638	9,000 psi
Adhesion ASTM D4541	325 psi
Flammability ASTM D635	Self-Extinguishing over concrete
Resistance to Elevated Temperatures	No slip or flow at required temperature 158°F

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 Resuwall Aqua GR II Fiberglass Mat 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	3746G	2:1	200 sq. ft./gal	3 or 15 gals
<50 g/L	Base Coat	3746G	2:1	200 sq. ft./gal	3 or 15 gals
0	Fiberglass Mat Reinforcement	FM36-2.0			60 yds. / roll
<50 g/L	Saturant Coat	3746G	2:1	200 sq. ft./gal	3 or 15 gals
<50 g/L	Level Coat	3746G	2:1	200 sq. ft./gal	3 or 15 gals
<50 g/L	Finish Coat	4685W	1:1	300-400 sq. ft./gal	2 or 10 gals

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

PRIMER

MIXING AND APPLICATION

1. Premix 3746G (resin) and 3746B (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 2 parts 3746G (resin) to 1 part 3746B (hardener), mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material with a squeegee and backroll material using a 3/8" short nap roller at a spread rate of 200-250 sq. ft. per gallon.
3. Refer to recoat schedule on PDS

BASE COAT

MIXING AND APPLICATION

1. Premix 3746G (resin) and 3746B (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 2 parts 3746G (resin) to 1 part 3746B (hardener). Mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material with a squeegee and backroll material using a 3/8" short nap roller at a spread rate of 200-250 sq. ft. per gallon.
3. Refer to recoat schedule on PDS.

FIBERGLASS REINFORCEMENT

1. Apply 2 oz. fiberglass mat for walls and 2 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 3746G (resin) and 3746B (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 2 parts 3746G (resin) to 1 part 3746B (hardener), mix with low-speed drill and Jiffy blade for three minutes until uniform. Apply material with a squeegee and backroll material using a 3/8" short nap roller at a spread rate of 200-250 sq. ft. per gallon.
3. 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.

LEVEL COAT

MIXING AND APPLICATION

1. Apply 3746G as described in previous step.
2. Allow to cure overnight.
3. Sand any imperfections prior to applying finish coat.

FINISH COAT

MIXING AND APPLICATION

1. Premix 4685W (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 1 parts 4685WA (resin) to 1 part 4685WB (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. 4685W may be applied via spray, roller or brush. Apply using a 1/4" nap non-shedding, urethane enamel roller at a spread rate of 300-400 sq. ft. per gallon.
4. Allow 48 hours minimum before water exposure and 7 days for full chemical resistance.

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.