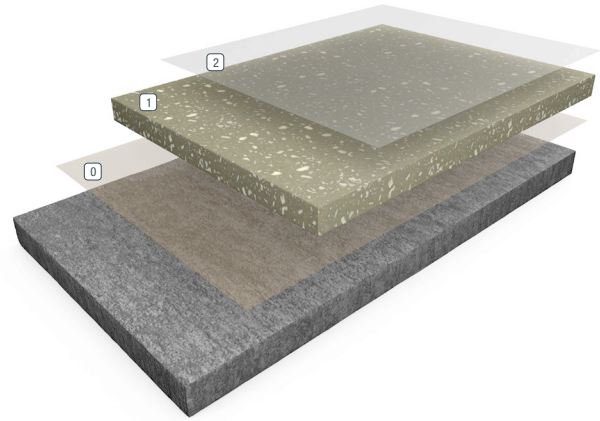


ACRYDUR™ AQUA TERRAZZO

Sherwin-Williams Acrydur Aqua Terrazzo is a specially formulated combination of acrylic polymer and modifiers used with cement and inert aggregates with marble chips in a troweled mortar system. Acrydur Aqua Terrazzo is applied at 3/8" and then ground and polished to reveal the natural beauty of the aggregates for a decorative hard surface for interior or exterior use.



- ② Seal Coat
- ① Mortar / Grout
- ① Primer

ADVANTAGES

- Aesthetically pleasing appearance
- Short installation time
- Durable and wear resistant
- Chemical and stain resistant
- Meets and/or exceeds all NTMA and TTMAC standards
- Designed for easy to clean and smooth surfaces

USES

- Commercial, retail and institutional facilities
- Healthcare, research and pharmaceuticals
- Exterior promenades and decks

TYPICAL PHYSICAL PROPERTIES

Color	White or Gray Cement
Compressive Strength ASTM C 579	4,600 psi
Tensile Strength ASTM C 190	1,000 psi
Abrasion Resistance MIL-D-3134F, Sec. 4.7.8.	0.150 inch lost
Flexural Strength ASTM C 293	2,500 psi
Bond Strength ASTM C 190	300 psi
Flammability	Self-Extinguishing over concrete
Resistance to Elevated Temperatures MIL-D-3134J	No slip or flow at required temperature of 158°F

ASTM C = Mortar System
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 Acrydur Aqua Terrazzo 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 equal to CSP 4-6. 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

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
0 g/L	Primer	4772 with Cement	Single Component	150 sq ft / gal	5 or 6 gals
0 g/L 0	Mortar @ 3/8"	4772 Cement Marble, Granite chips or other approved aggregates 5270 Cement (pigment) optional)	Single Component #1 #2	60-70 sq. ft. / 2 ½ gals 94 lbs. (1 bag) 100# 100# 25# 2-4 lbs.	5 or 6 gals 94 lbs. 50 lb. bag
0 g/L	Grout	4772 with Cement	Single Component	325-335 sq. ft.	5 or 6 gals
<50 g/L	Seal Coat	4401	Single Component	300-350 sq. ft. / gal	5 or 55 gals

For different optional seal coats, such as 4503 Terrazzo Acrylic Sealer, consult individual Technical Data Sheet for mixing and application instructions.

PRIMER

Mixing and application

1. To aid in adhesion, the slab should be damp (with no standing water) before the polyacrylate primer coat is applied.
2. Combine 1 gallon of 4772 polymer with 10-15 lbs. cement to produce a thin slurry. The slurry is applied with a broom, brush or squeegee. DO NOT mix and apply more material than can be covered in 10-15 minutes.
3. Apply the mortar mix while the primer is still wet. Do not let the primed area set more than 15 minutes before applying the mortar.

MORTAR

Mixing and application

1. Load mixer with 2½ gallons of 4772 blending polymer and ½ gallon of clean water. Up to an additional 1 gallon of water may be added as necessary.
2. While the mixer is running, slowly add 94 lbs. of Portland Cement to avoid lumping of cement. Add cement color, if required, and continue mixing until cement and pigment are thoroughly wet out.*
3. Add up to 25 lbs. of 5270 filler and continue mixing.
4. Add marble chips and begin mixing. Continue mixing until a lump-free mix is obtained. Chips should be dust-free, or color and handling properties may be affected.
5. Add 4772 as needed if mix is dry.
6. Spread and trowel material immediately, and roll to remove excess moisture. Finish trowel for compaction and density. Cover immediately with polyethylene to prevent shrinkage cracking.
7. Allow material to cure for 24-72 hours.

***NOTE: for white terrazzo, use 1 1/2 lbs. titanium dioxide per bag of white cement.**

GRINDING

Rough grinding

1. Grind with 24 and 80 grit stones or with comparable diamond plugs.

GROUT

Mixing and application

1. Before grouting, use 80 grit stone. Clean floor thoroughly. Grout can be applied to a damp (not wet) floor.
2. Add 1 gallon of 4772 polymer to 10-15 lbs. of cement to produce a thin slurry.
3. Hand apply grout material to floor with a flat trowel. Allow grout to cure a minimum of 24 hours and polish with 80 or 120 polishing stones.
4. Clean floor thoroughly before applying seal coat.

SEAL COAT

Mixing and application

1. Apply 4401 using 1/4" nap, urethane roller. Apply at a spread rate of 300-350 square foot per gallon evenly with no puddles making sure of uniform coverage.
2. Allow to cure 2-4 hours before applying second coat. Allow 24 hours minimum before opening to traffic.

For different optional seal coats, such as 4503 Terrazzo Acrylic Sealer, consult individual technical data sheet for mixing and application instructions.

CLEAN UP

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

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 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.

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

sherwin-williams.com/resin-flooring
swflooding@sherwin.com