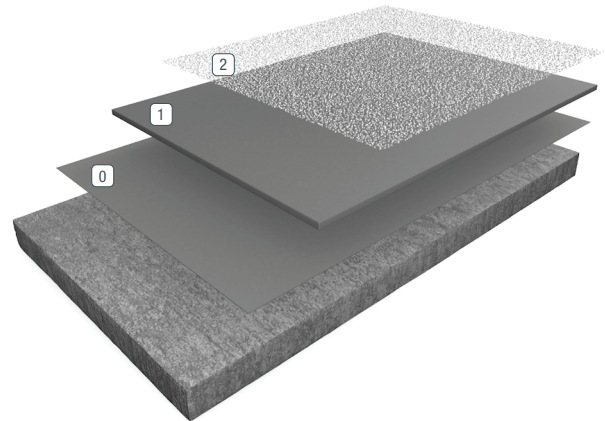


RESUFLOOR™ AQUA MCS MOISTURE CONTROL SYSTEM

Sherwin-Williams Resuflor Aqua MCS - Moisture Control System is a self-leveling system for concrete that helps control moisture vapor emissions. RESUFLOOR AQUA MCS - MOISTURE CONTROL SYSTEM can be applied with a notched trowel or squeegee. It's designed to provide a refinished surface on concrete prior to the application of a non-permeable flooring finish.



- 0 Primer
- 1 Slurry
- 2 Broadcast

BENEFITS

- No testing for moisture necessary
- Used under all floor finishes
- Water based
- Excellent compressive strength
- Moisture insensitive
- Withstands vapor emissions

USES

- Moisture vapor remediation
- Underlayment for impermeable flooring systems
- Repairs and levels deteriorated concrete

LIMITATIONS

- Do NOT apply to wet surfaces (no visible water)
- Must be installed at a minimum of 1/8"

TYPICAL PHYSICAL PROPERTIES

Color	Gray
Cure Time Recoat	18 hours
Hardness, Shore D ASTM D 2240	75
Tensile Strength ASTM C 307	500-550 psi
Compressive Strength ASTM C 579	5,800 psi
Flexural Strength ASTM C 580	1,200 psi
Adhesion ACI 503R	300 psi concrete failure

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 RESUFLO AQUA MCS - MOISTURE CONTROL 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 50-90°F (10-32°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 off gassing. The material should not be applied in direct sunlight, if possible.

APPLICATION INFORMATION – SURFACE PREP PROFILE CSP 4-6

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<50 g/L	Primer	3460	1:4	200-250 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	to excess	50-60 lbs. per 100 sq. ft.	50 lb. bag

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

PRIMER

MIXING AND APPLICATION

1. 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.
2. 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.
3. 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.
4. 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

1. 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.
2. Add 1 part 3460A (resin) to 4 parts 3460B (hardener) by volume. Mix with low-speed drill and Jiffy blade until uniform. Slowly add up to 30 lbs. 5150 Resuflor Aqua aggregate per 2.5 gallons of mixed material. Mix with low-speed drill and Jiffy blade until uniform and no lumps remain.
3. Immediately pour the mixed material onto the substrate and pull out using a 1/4" v-notched trowel or 1/4" red rubber squeegee.
4. 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.
5. System must be broadcast to excess with silica sand (5310) to build to 1/8" thickness.
6. Allow to cure 18 hours minimum before applying subsequent flooring systems. (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 Resuflor Aqua aggregate to improve leveling. Excess air movement across the surface should be avoided.

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.