

RESUFLO[™] AQUA MCS

The following information is to be used as a guideline for the installation of the Resufloor Aqua MCS flooring 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	PACKAGING
<50 g/L	Primer	Resufloor 3460 20% potable water	1:4	200-250 sq. ft./gal.	1.25 or 25 gals.
<50 g/L 0	Slurry @ 1/8"	Resufloor 3460 5150 Aggregate	1:4	90 sq. ft./2.5 gal. 30 lbs./2.5 gal.	1.25 or 25 gals. 30 lbs.
0	Broadcast	5310	To Excess	0.5-0.6 lbs./sq. ft.	50 lb. bag

OPTIONAL FINISHES

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
<50 g/L	Topcoat	Resufloor UVE	2:1	100 sq. ft./gal.	3, 15 or 165 gals.
<50 g/L	Topcoat	Resufloor 3741	2:1	100 sq. ft./gal.	3 or 15 gals.
<50 g/L	Topcoat	Accelera [™] 4850	2:1	100 sq. ft./gal.	3 or 15 gals.
0 g/L <100 g/L	Grout Topcoat	Resufloor Glaze Resutile [™] AT	2:1 Premeasured Units	100 sq. ft./gal. See coverage below	3, 15 or 150 gals. 1.375-1.75 gals./unit

Resutile AT Kit Spread Rates

	Standard	LH
Gloss Pigmented (w/grit)	700 square feet/kit	775 square feet/kit
Gloss Pigmented (no grit)	675 square feet/kit	750 square feet/kit
Satin Pigmented (w/grit)	850 square feet/kit	N/A
Satin Pigmented (no grit)	825 square feet/kit	N/A

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 Resufloor 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.
- 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.

PRIMING

- 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 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.
- C. 3460 may be applied via spray, roller or brush. Apply at 200-250 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.
- D. 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"

- 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 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.
- 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 to excess with silica sand (5310) to build to 1/8" thickness.
- F. 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.

TOPCOAT

Select appropriate topcoat and follow its application instructions.

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-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.

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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High Performance Flooring
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