

RESUFLO GARD MR

The following information is to be used as a guideline for the installation of the Resuflo Gard MR flooring system. Contact the Sherwin-Williams Technical Service Department for assistance prior to application.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 2-3

VOC MIXED	APPLICATION STEP	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT	PACKAGING
0 g/L	Primer (optional)	Resuflo MVP or MVP3	Refer to PDS	100 sq ft/gal	Refer to PDS
< 50 g/L 0	Membrane	Resuflo EOC	2:1	80 sq ft/gal	3, 15 or 150
< 50 g/L 0	Body Coat/Wear Coat Broadcast (optional)	Resuflo Gard Aluminum Oxide	2:1	100 sq ft/gal ~1 lb/100-200 sq ft	3, 15 or 150 gals 10, 50 or 380 lbs
< 100 g/L	Topcoat	Resutile AT	Premeasured unit	~700 sq ft/unit	1.375 gal/unit

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

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 HPF maintains a technical staff that will be glad to answer your questions and give you advice pertaining to your particular installation.

SYSTEM OVERVIEW

Resuflo Gard MR is a 100% solids, solid color epoxy flooring system consisting of an optional Resuflo MVP/MVP3 primer/moisture barrier for use over green concrete, Resuflo EOC waterproof membrane, a Resuflo Gard body coat/wear coat and a recommended Resutile AT topcoat. Resuflo Gard MR delivers a seamless, non-slip (optional) pigmented flooring system designed for light duty use in mechanical rooms where waterproofing and working around drains is a constant concern, but impact and UV resistance is not required.

NOTE: DO NOT apply at an ambient or surface temperature below 60°F or above 90°F

STORAGE CONDITIONS

Store all components in a cool, dry area with plenty of ventilation. Do not allow resins to freeze. Solidified (crystallized) hardener must be heated above 100°F to properly melt crystals. The shelf life of all products used to make this system is 12 months.

SURFACE PREPARATION/JOINT GUIDELINES

Use a shot blaster or surface grinder to achieve a CSP of 2-3 (if installing over non-porous substrate use a minimum CSP of 3). Vacuum all dust and debris, and ensure the surface is clean, dry, and free of all contaminants before you begin applying the system. Always honor moving joints as part of the preparation step. Refer to the master Surface Preparation and Joint Guidelines Guide on our website for more information.

MIXING AREA

Select a convenient mix area as close as possible to the application area and protect the surface from spills by covering with a sheet of plastic and an absorbent layer of cardboard. Be generous with the amount of space allocated for this function. Do not mix this product in direct sunlight or when ambient temperatures exceed 90°F. Exposure to high temperatures will greatly reduce the working time of this product. **DO NOT MIX UNTIL READY FOR IMMEDIATE USE.**

APPLICATION

Resuflo Gard MR is applied as an optional primer/moisture barrier (resin/hardener), waterproof membrane (resin/hardener), a body coat/wear coat (resin/hardener) with an optional Aluminum Oxide broadcast, and a topcoat (resin/hardener/optional non-slip aggregate). Resuflo Gard MR has a finished nominal thickness of 36-52 mils.

LABOR REQUIREMENTS - Best practices are to assign one person to each job – do not multi-task:

- 1 person mixing/running mixed pails
- 1 person squeegee
- 1 person cross-rolling

NOTE: Additional manpower will be required for complex installations requiring cut-in work or applications around drains.

PRIMING/MOISTURE BARRIER

(Optional – and best suited for use over green concrete)

EQUIPMENT LIST

- 5 gal mixing pails
- Mix and measure pails
- Solvent
- Tape
- 450 RPM high-speed/high-torque drill
- 5" Jiffler mixing blade
- 12" flat squeegee
- 3/8" nap roller
- Spiked shoes
- Rubber/nitrile gloves
- Safety glasses

Pour 1 part Resuflo MVP Hardener into a mixing pail followed by 2 parts Resuflo MVP Resin* – when pouring from measuring containers, be sure to scrape the inside of the pails to use as much of the material as possible. Use the measuring pail to scrape the mix stick and never scrape the mix stick on the side of the mix pail. Mix for 2 minutes using a Jiffler-type mixer at 300-450 RPM.

*If using another version of Resuflo MVP Primer, read the specific application instructions for that product.

Apply a ribbon of mixed Resuflo MVP Primer material starting at one side of the installation area and work towards an exit. Wearing spiked shoes, use a 3/16" v-notched squeegee, evenly spread the material across the surface area at approximately 100 square feet per mixed gallon (16 mils), joining batches together along a wet edge. After spreading the primer, follow by back-rolling and cross-rolling with a 3/8" nap roller.

NOTE: Out-gassing may occur in very porous concrete. To address this, apply an additional coat of Resuflo MVP/Primer mixed with an equal amount of No Sag #2. Apply using a flat squeegee at 250-350 square feet per mixed gallon. Do not use this method when priming with Resuflo MVP3 Primer.

WATERPROOF MEMBRANE

EQUIPMENT LIST

- 5 gal mixing pails
- 450 RPM high-torque drill
- 5" Jiffler mixing blade
- 1/4" v-notched squeegee
- 3/8" nap roller
- Spiked shoes
- Rubber/nitrile gloves
- Safety glasses

Pour ½ gallon of Resuflo EOC Hardener into a mixing pail and add in the 1 gallon of Resuflo EOC Resin – when pouring from measuring containers, be sure to scrape the inside of the pails to use as much of the material as possible. Use the measuring pail to scrape the mix stick and never scrape the mix stick on the side of the mix pail. Mix for 2 minutes using a Jiffler-type mixer at 300-450 RPM.

Apply a ribbon of mixed Resuflo EOC material starting at one side of the installation area and work towards an exit. Wearing spiked shoes, use a 1/4" v-notched squeegee to evenly spread the material across the surface area at approximately 80 square feet per mixed gallon (20 mils), joining batches together along a wet edge. After spreading the material, follow by back-rolling and cross-rolling with a 3/8" nap roller.

BODY COAT/WEAR COAT

EQUIPMENT LIST

- 5 gal mixing pails
- 450 RPM high-torque drill
- 5" Jiffler mixing blade
- 16 mils, use a 3/16" v-notched squeegee
- 3/8" nap roller
- Spiked shoes
- Rubber/nitrile gloves
- Safety glasses

IMPORTANT! Pre-mix Resuflo Gard Hardener for 1 minute and Resuflo Gard Resin for 3 minutes using a 450 RPM drill and 5" Jiffler blade before mixing together.

Pour 1/2 gallon of Resuflo Gard Hardener into a mixing pail and add 1 gallon of Resuflo Gard Resin, making sure to scrape the inside of the pails to use as much of the material as possible. Use the measuring pail to scrape the mix stick and never scrape the mix stick on the side of the mix pail. Mix for 3 minutes using a Jiffler-type mixer at 300-450 RPM.

Apply a ribbon of mixed Resuflo Gard material starting at one side of the installation area and work towards an exit. Using a 3/16" v-notched squeegee, evenly spread the material across the surface area at approximately 100 square feet per mixed gallon (16 mils), joining batches together along a wet edge. After spreading the material, follow by back-rolling and cross-rolling with a 3/8" nap roller.

(OPTIONAL) After back-rolling, but before cross-rolling, begin broadcasting into the Resuflo Gard body coat. Place a portion of the aluminum oxide into a pail that is easily carried. While wearing spiked shoes, throw the aggregate (Aluminum Oxide) UP into the air while consistently moving so it "rains down" into the body coat (~1 lb per 100-200 square feet) and then cross-roll into the coating.

Allow the body coat to cure for 8-12 hours depending on temperature/relative humidity. Once cured, it is safe to return to foot traffic, return to general service in 24 hours, and will feature full chemical and abrasion resistance in 5-7 days (at 70°F).

TOPCOAT (RECOMMENDED)

EQUIPMENT LIST

- 5 gal mixing pails
- 18" wide paint tray
- 18" long 3/8" nap roller
- 750 RPM high-torque drill
- 3" Jiffler blade
- Paint stir stick
- Spiked shoes
- Rubber nitrile gloves
- Safety glasses

Resutile AT is typically applied using the dip and roll method with an 18" long 3/8" nap roller.

Pour 1 kit of Resutile AT Hardener and Resutile AT Colorant into a 5 gallon pail and mix using a 750 RPM drill with a 3" Jiffler blade for 30 seconds. Once hardener and colorant are pre-mixed, pour 1 kit of Resutile AT Resin and mix for an additional 30 seconds. If specified, slowly add Resutile AT Grit and continue mixing for an additional 1 minute. Pour a small amount into a paint tray that is large enough to accommodate an 18" roller.

Dip roller into filled paint tray and roll off excess. Apply two 8- to 10-foot-long paths left to right then right to left. Re-wet roller and using "W" shaped crosses and/or up and down passes, roll material until uniform. A final cross-roll (use a dedicated person to cross-roll in order to avoid any roller lines) is necessary to even out roller lines and should be completed within 10 minutes of starting application.

NOTE: Occasionally re-mix Resutile AT in paint tray or bucket with a paint stir stick to prevent settling of the grit or pigment.

~KIT SPREAD RATES	Gloss	Satin	Low Humidity (LH)
Clear (w/grit)	575 square feet/kit	775 square feet/kit	625 square feet/kit
Clear (no grit)	700 square feet/kit	750 square feet/kit	625 square feet/kit
Pigmented (w/ grit)	700 square feet/kit	850 square feet/kit	750 square feet/kit
Pigmented (no grit)	675 square feet/kit	825 square feet/kit	750 square feet/kit

NOTE: Do not apply thicker than 3-4 mils wet or leave excess material pooled on the floor as it may lead to blistering.

CAUTION: Application of Resutile AT is only recommended if the floor temperature and materials are between 60°F and 80°F. **DO NOT APPLY** if standing moisture is present - The floor temp is less than 5°F above the dew point - The relative humidity is greater than 80%.

Allow the topcoat to cure for 8-12 hours depending on temperature/relative humidity (curing is slower if RH is less than 30% and should use the LH formulation). Once cured, it is safe to return to foot traffic, return to general service after 24 hours, and will feature full chemical and abrasion resistance in 5-7 days at 70°F.

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](https://www.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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