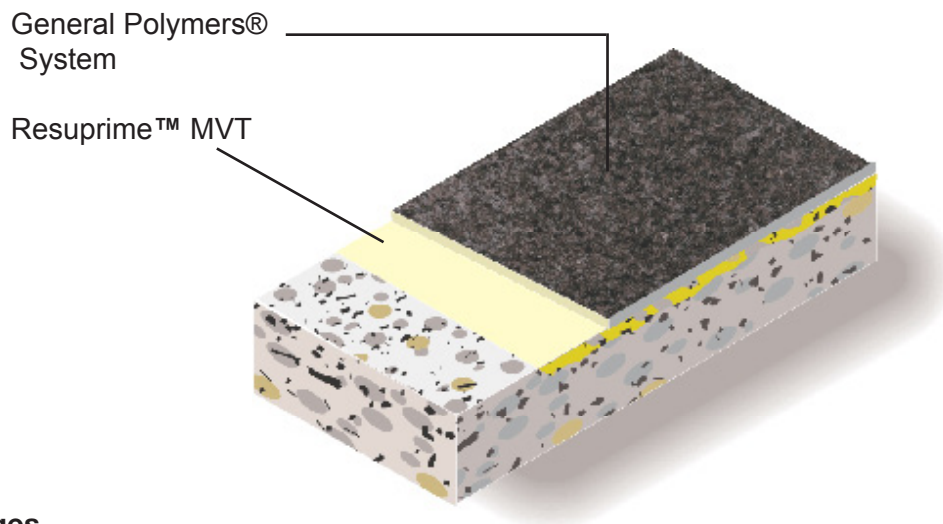




# Resuprime™ MVT

**Resuprime™ MVT** is a fast curing, two-component, epoxy resin that is tolerant of residual moisture in concrete floors and walls. This enables earlier access onto new concrete substrates for the application of General Polymers® systems. Resuprime MVT is formulated to prevent moisture related disbondment of non-permeable resinous systems.



## Advantages

- Moisture insensitive to 15 lbs or 97% RH
- Withstands vapor emissions
- Low odor
- Excellent adhesion

## Uses

- For impermeable flooring and wall systems
- Use when moisture readings are less than 15 lbs, as measured by ASTM F1869 or less than 97% relative humidity as measured by ASTM F2170.
- Can be applied to saturated surface dry (SSD) concrete

## Limitations

- Do not apply to wet surfaces
- Substrate must be structurally sound and free of bond inhibiting contaminants.
- During installation and initial cure cycle substrate and ambient air temperature must be at a minimum of 50°F (for lower temperature installation contact the Technical Service Department).
- Concrete must have an effective vapor barrier.

## Typical Physical Properties for Resuprime MVT only

<b>Color</b>	Clear
<b>Mix Ratio A:B</b>	Pre-packaged components Approximately 2:1
<b>Pot Life</b>	15 minutes
<b>Solids, by weight</b>	98% ± 2%, mixed
<b>VOC (Volatile Organic Content) EPA Method 24</b>	<100 g/L mixed; 0.83 lb/gal
<b>Coverage: @ 8-10 mils WFT</b>	160-200 sq. ft/gal
<b>@ 16-20 mils WFT</b>	80-100 sq. ft/gal
<b>Cure Time</b>	Dry to Touch 4-6 hrs Recoat 10-12 hrs Light Traffic 18-24 hrs

## Installation

The following information is to be used as a guideline for the installation of the **Resuprime™ MVT system**. Contact the Technical Service Department for assistance prior to application if required.

## Surface Preparation – General

General Polymers 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 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 3-4. 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 Technical Service Department.

## Temperature

Throughout the application process, substrate temperature should be 50°F - 90°F (Min 40°F for low temp). 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.

## Application Information – Surface Prep Profile CSP 3-4

VOC MIXED	MOISTURE READING	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<100 g/L	< 8 lbs or <85% RH	Resuprime™ MVT	Pre-packaged (Approx. 2:1)	160-200 sq. ft./gal (8-10 mils DFT)	Approx. 1.32 gal or 3.96 gal kits
<b>Proceed with resinous floor installation</b>					

VOC MIXED	MOISTURE READING	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<100 g/L	< 15 lbs or <97% RH	Resuprime™ MVT	Pre-packaged (Approx. 2:1)	80-100 sq. ft./gal (16-20 mils DFT)	Approx. 1.32 gal or 3.96 gal kits
<b>Proceed with resinous floor installation</b>					

VOC MIXED	MOISTURE READING	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<100 g/L	< 8 lbs or <85% RH	Resuprime™ MVT Low Temp	Pre-packaged (Approx. 1.28:1)	160-200 sq. ft./gal (8-10 mils DFT)	Approx. 1.32 gal or 4.01 gal kits
<b>Proceed with resinous floor installation</b>					

VOC MIXED	MOISTURE READING	MATERIAL	MIX RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
<100 g/L	< 15 lbs or <97% RH	Resuprime™ MVT Low Temp	Pre-packaged (Approx. 1.28:1)	80-100 sq. ft./gal (16-20 mils DFT)	Approx. 1.32 gal or 4.01 gal kits
<b>Proceed with resinous floor installation</b>					

## Option #1 (< 8 lbs moisture reading or <85% RH)

### Mixing and Application

1. Add resin to hardener. Mix with low speed drill and Jiffy blade until uniform. To insure proper system cure and performance, do not deviate from the pre-packaged quantities.
2. Apply using a tight squeegee coat and backroll with a high quality 3/8" nap roller. Apply at a spread rate of 8-10 mils evenly with no puddles making sure of uniform coverage.
3. Allow to cure 6\* hours minimum for standard cure, and 4\* hours for low temp.
4. Proceed with resinous system installation.

## Option #2 (< 15 lbs moisture reading or <97% RH)

### Mixing and Application

1. Add resin to hardener. Mix with low speed drill and Jiffy blade until uniform. To insure proper system cure and performance, do not deviate from the pre-packaged quantities.
2. Apply using a tight squeegee coat and backroll with a high quality 3/8" nap roller. Apply at a spread rate of 16-20 mils evenly with no puddles making sure of uniform coverage.
3. Allow to cure 6\* hours minimum for standard cure, and 4\* hours for low temp.
4. Proceed with resinous system installation.

\* Cure times vary depending on environmental conditions

## 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

Refer to the MSDS sheet before use. federal, state, local and particular plant safety guidelines must be followed during the handling and installation and cure of these materials.

Safe and proper disposal of excess materials shall be done in accordance with applicable federal, state, and local codes.

## Material Storage

Store materials in a temperature controlled environment (50°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 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(s) offered at the time of publication. Published technical data and instructions are subject to change without notice.

Consult [www.generalpolymers.com](http://www.generalpolymers.com) 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.



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