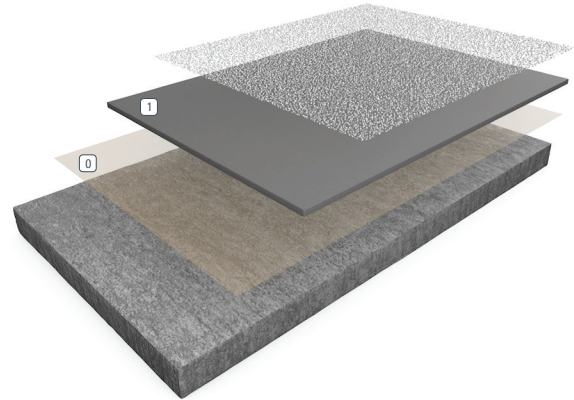


FASTOP™ TOPFLOOR MVT

Sherwin-Williams FasTop Topfloor MVT is a self-leveling system to be applied to concrete to control moisture vapor emissions. FasTop Topfloor MVT can be applied with a pin rake, screed rake or notched trowel/squeegee. It is designed to provide a refinished surface on concrete prior to the application of a non-permeable flooring finish.



1 Slurry / Broadcast @ 1/8"-3/16"

0 Primer

ADVANTAGES

- No testing for moisture necessary
- Can be applied to “green” concrete
- Rapid cure and hardness development
- Water based
- Low temperature cure
- 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 apply primer to concrete when installing a thin mil coating or slurry systems over FasTop Topfloor MVT
- Surface must be properly cleaned and prepared prior to application
- Freezable liquid, maintain at room temperature
- Do not install outside.

TYPICAL PHYSICAL PROPERTIES

Color	Gray
Decorative Upgrade	Selected Ceramic Carpet Blends
Cure Time	Recoat 2 Hours Foot Traffic 2-4 Hours
Hardness, Shore D ASTM D 2240	75
Tensile Strength ASTM C 307	550-600 psi
Compressive Strength ASTM C 579	6,000 psi
Flexural Strength ASTM C 580	3,700 psi
Impact Resistance MIL-D-3134, Sec.4.7.3	Withstands 16 ft. lbs. without cracking, delamination or chipping
Critical Radiant Flux ASTM E 648	> 1.0
Smoke Density ASTM E 662	237-346

ASTM C = Mortar System
ASTM D = Resin only

INSTALLATION

The following information is to be used as a guideline for the installation of the FasTop Topfloor MVT. 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 5 or greater. DO NOT ACID ETCH. Refer to Form G-1. Consult the Sherwin-Williams Technical Service Department if oil or grease is present.

TEMPERATURE

Throughout the application process, substrate temperature should be 40°F minimum. Substrate temperature must be at least 5°F above the dew point. Applications on concrete substrates should occur while temperature is falling to lessen off gassing. Sherwin-Williams Epoxy Water Emulsion Primer / Sealer (3477) must be used prior to the application of FasTop Topfloor MVT to prevent outgassing through thin slurry or coating finishes. The material should not be applied in direct sunlight, if possible.

APPLICATION INFORMATION — SURFACE PREP PROFILE CSP 5

VOC MIXED	APPLICATION STEP	MATERIAL	MIXED RATIO	THEORETICAL COVERAGE PER COAT CONCRETE	PACKAGING
Primer (required when finishing FasTop Topfloor MVT with thin film coatings or slurries)					
<200 g/L	Primer	3477	2:1	300 sq ft / gal	3 or 15 gals
<50 g/L 0	MVT @ 1/8"	4050 5030	Pre-measured unit	40-45 sq. ft. / unit 35 lbs. / unit	2 gals (short filled) 35 lbs. / bag
0	Broadcast	5310-8 20-40 mesh	to excess	.6 lbs. sq ft. / gal	50 lbs. bag

FASTOP TOPFLOOR MVT IMPORTANT NOTICE:

FasTop Topfloor MVT is a moisture vapor control system that can be applied under any of the Sherwin-Williams High Performance Flooring systems. When the flooring system is a thin mil coating or slurry system, a primer must be applied to the concrete prior to the application of **FasTop Topfloor MVT**. This will prevent issues related to outgassing from the slab. **Prime with Epoxy Water Emulsion Primer / Sealer** (3477) at 300 feet to the gallon 1-2 hours prior to placing the FasTop Topfloor MVT. DO NOT USE HIGH SOLIDS EPOXY PRIMERS AS THEY WILL SEAL THE CONCRETE.

MIXING AND APPLICATION

DO NOT PREMIX 4050 PART B HARDENER. OVER EXPOSURE TO AIR AFFECTS PHYSICAL PROPERTIES.

1. Add 4050A (resin) to 4050B (hardener) and mix with low-speed drill and Jiffy blade until uniform.
2. Pour 35 lbs. of 5030 aggregate while blending materials until no lumps remain. Immediately pour mixed material onto the substrate and spread out using a pin rake, screed rake or 1/2" x 1/2" notch trowel. Backroll with a loop roller and/or adhesive roller to assist leveling, if necessary. Allow material to self-level (2-5 minutes).

NOTE: If the substrate temperature is less than 50 °F, the application will be adversely affected.

3. Broadcast 5310-8 (20-40 mesh) dry silica sand to completion. Coverage will be roughly .6 pound per square foot.
4. Allow to cure for a minimum of 2 hours.
5. Remove all loose and unbound aggregate prior to flooring system application.
6. Apply Sherwin-Williams flooring system of choice.
3. Allow to cure 7-8 hours minimum before opening to light foot traffic. If recoating is required, abrade surface before recoating.

TECHNICAL NOTES

Mixing: Correctly mixing **FasTop Topfloor MVT** is critical to a successful installation. The mixing area needs to be as close to the application area as possible. Open each container of Part A. The material should have a uniform milky appearance. It is common to have a few "brownish" oil spots or a slightly oily film at the surface but no separation of the liquid. Where white material is not readily visible, separation may have occurred. DO NOT attempt to use this material. The emulsion has probably broken, and the material will cure too quickly to allow

successful installation. DO NOT attempt to mix partial units. Use a heavy-duty 1/2" or larger variable speed drill with a mixing blade manufactured by Wall Board, product number PWR Blade 81-001 stocked by some Sherwin-Williams stores as item #1604651. Other mixing blades will not mix this material fast enough.

After pouring both 4050 Parts A & B into a pail, mix for about 30 seconds. While mixing, immediately add the 5030 **FasTop Topfloor MVT** aggregate as quickly as the drill can mix it. Stop mixing as soon as all the aggregate is wet out. Over mixing will affect material flow and workability.

Placement: Get the material out of the bucket as quickly as possible. Immediately dump entire mix onto the floor in a ribbon pattern. Spread material using a 1/2" x 1/2" V-notch trowel.

The **FasTop Topfloor MVT** should flow and close the grooves caused by the notch trowel in about 10 seconds and continue to level. Due to various environmental changes, **FasTop Topfloor MVT** may not level as well as desired. To overcome this situation, the contractor may reduce the aggregate load by 1 to 3 lbs. per kit. The maximum amount to remove is 3 lbs., which is about 8.5% of the aggregate. Reducing the aggregate will slightly decrease the coverage rate. A quart (32 oz.) container will hold about 3 lbs. of aggregate.

Backroll: Material leveling can be assisted by backrolling with a texture/loop roller. The loop roller can help work out any trowel marks or waves. Backrolling with a loop roller should be done immediately but not after 10 minutes.

Broadcast: After the material has leveled broadcast to refusal with 20-40 mesh (5310-8) silica sand. Broadcast must be done 10 minutes before the surface begins to form a cured film. Planning the length of your runs is critical with fast-curing materials. At 70°F no batch-to-batch tie-in should exceed 10 minutes or the tie-in may be visible after cured.

Applying the **FasTop Topfloor MVT** too thin can also cause lack of flow or leveling. This system is designed to be installed at a minimum of 1/8" (3mm).

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 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 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.

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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.

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