

PRODUCT DESCRIPTION

5018 M is a 2-component, clear Polyaspartic Topcoat that exhibits great chemical and excellent wear resistance while providing a unique Matte Finish in a single application. Use 5018 M to create a natural dull look over your finished floor. Ideal areas of use include as a topcoat over Lava Flow® Metallic Epoxy, over Roll on Rock® in interior or exterior applications and over Solid Color Epoxy to provide a true Matte Finish.

MIX RATIO	RECOMMENDED COVERAGE RATES		
2A:1B	<u>Over Surfaces</u>	<u>First Coat</u>	<u>Second Coat</u>
* Sold in 1.5-Gallon Kit or 15-Gallon Bulk Kit	Flakes	250-300 SF/gal	250-300 SF/gal
	Metallic or Solid Color	250-300 SF/gal	250-300 SF/gal

SUBSTRATE REQUIREMENTS

Concrete Priming

Under most conditions concrete shall be primed with an approved primer (4195, 4150 or 4100). If applying 5018 M directly over it, be sure that primers are screened or sanded before applying the 5018 M if it has been drying for more than 8 hours. You can also use a fingernail test; if it is difficult to leave a fingernail imprint then you must sand or screen the surface before applying the 5018 M.

Flake Floors

All flaked floors shall be clean, dry and the flake should be fully adhered to the primer coat. Flake shall be free of dust, dirt, grease, contamination, surface laitance, and other potential bond-breaking substances that could impair adhesion. Substrate and ambient temperatures must be above 35°F during installation of coating. Relative humidity should not exceed 65% during installation of the coating. Environmental conditions must not be near the dew point during installation of the coating. Moisture Vapor Transmission of the substrate must not exceed 3lbs per 1000 SF per 24 hours. For high MVT substrates, consult with a GE representative for recommendations.

Versatile recommends applying 1 coat of 5085 Polyaspartic before the 5018 M to seal the surface for a higher build and better wear protection. 5018 will tone the sheen down for a Matte Finish.

Other Substrates

Versatile does not recommend 5018 M to be used over substrates other than Versatile Flooring Systems. For other various substrates it is recommended that a test area be done first to check adhesion and performance. If going over sealed surfaces like polymer stains or other types of sealer, be sure to lightly sand the surface to de-gloss it. Then do a small sample area to check the adhesion before proceeding (do a cross hatch test). If going over nonconcrete surfaces you must do a mock-up sample to test it on actual material and understand that it is being done at "your own risk".

Consult Versatile representative for further information.

ADVICE BEFORE INSTALLATION

Cure time is affected by environmental conditions. Do not force dry. High humidity and/or low temperatures can cause haziness and blushing in the coating. Material has a pot-life of 55 minutes based on a 2-gallons mass at 75°F.

**Warning: Large masses of mixed and/or heated material will have a shorter pot-life.*

Hot Weather Tips

5018 M has a shorter pot life in very hot conditions. Keep the material core temperature around 50-75°F if possible. *icing the buckets hours before doing job or placing in a cool environment the day before application can help lower the core temperature.* If instructions are not followed, excessive heat may cause outgassing, foaming, and hazing of 5018 M where it has been applied too

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thick or where material settles into joints, etc. as well as a shorter pot life. To reduce the effects of outgassing (vapor coming out of the substrate), install when the temperature is dropping from the highest temperature of the day.

Cold Weather Tips

5018 M will have higher viscosity or may gel up in very cold conditions. Keep the material core temperature around 50-75°F if possible. Using a pail warmer hours before doing the job or placing in a warm environment the day before application can help increase the core temperature which will make the material thinner and easier to work with. If instructions are not followed, materials may get thicker during mixing, and may lead to foaming and hazing of 5018 M where it has been applied too thick (avoid puddling in low spots) or where material settles into joints.

INSTALLATION STEPS

1. Preparation

- Shut off all sources of ignition prior to work, and throughout the sealing process.
- Supply auxiliary ventilation as necessary to produce a safe working environment.
- Use a NIOSH approved respirator capable of filtering organic vapors.
- Use a brush and 3/16" nap Lint-free roller for application.

2. Mixing

- Material should be stored at room temperature (70-75°F) or below if in extreme hot conditions.
 - Pre-mix the 5018 M A-Component in the original bucket for 2-3 minutes using a jiffy-type mixing blade at no less than 400 rpm till the mixture is homogeneous.
 - Then add 5018 M A-Component with 5018 M B-Component at ratios listed on container and mix well for 2-3 minutes.
 - Transfer mixed material to a second mixing vessel and mix an additional 30 seconds to ensure that material along the sides of the first mixing vessel have been properly incorporated into the mixture.
- * Caution: If you are not familiar with the product, Do Not Mix more than 1 ½ gallons at a time. The more you mix the shorter your pot life will be. This is a 2-component product, be sure to mix thoroughly.*

3. Application

- After mixing, pour a nice even consistent 4-5" wide ribbon of mixed 5018 M across the floor surface.
- Use 3/16" nap Lint-free Roller to spread 5018 M out so the entire surface is coated evenly.
- Pour out additional ribbons on the surface as needed and make sure to keep a "Wet Edge" at all time.
- Walk back into the wet floor on spiked shoes to disperse any heave puddles of materials that are pooling.
- Keep a firm pressure on the roller when spreading.
- Once 5018 M is spread out evenly, back rolling the entire surface in the opposite direction you roll, keeping spread rate at 250-300 SF/gal. This will even out the film build across the entire floor.
- Use the single back roll method to even out overlaps where there is too much material.
- Do not over work the material and keep the back rolling to a minimum, the material has great leveling properties.

4. Clean-up

- Immediately cleanup splatter marks and tools with MEK or Acetone. Clean hands and exposed skin with mild soap and water, and/or citrus based hand-cleaner.

5. Cure Times

- 5018 M can typically accept light foot traffic in 4-8 hours, vehicular traffic with pneumatic tires in 72 hours.
- Full cure occurs in 5-7 days.
- Pilot lights and surrounding sources of ignition may be put back into service once solvent vapors have dissipated to a level below the lower explosion limit. Typically, this will take 6-10 hours after floor installation with adequate ventilation.

ADDITIONAL CAUTIONS AND RECOMENDATIONS

- Keep mixed material in pail to achieve maximum working time instead of pouring bands on the floor.
- Do not force dry.
- Mask all areas that need protection.
- Always wear protective clothing and equipment as required by OSHA and as necessary.
- Have all personnel who come in contact with liquids read The Versatile EPOXY, URETHANE, AND POLYASPARTIC 2K SAFETY GUIDE and Material Safety Data Sheets before commencing work.
- Store material at 50-75°F
- 5018 M is combustible, DO NOT USE torch or flame after applying these products.

TECHNICAL SERVICES

- Technical services can be obtained by contacting Versatile directly at 714-829-2600.