

PRODUCT DESCRIPTION:

Versatile's 5055 Polyurea Primer is a fast-setting two-component floor primer and body coat with great elongation and UV stability. It is available in both Summer and Winter formulas to have extremely fast cure times to allow for fast installations with minimal downtime all year round.

APPLICATIONS:

- Residential Floors
- Commercial Floors
- Industrial Floors

ADVANTAGES:

- Easy 2:1 mixing ratio
- Cures in 1 to 3 hours
- Install between 0 and 100 degrees
- Ideal for quick return to service
- Works great with chip, solid color, and quartz systems
- Very flexible high-solids low odor formula
- Extended open times allows for consistent broadcasting coverage

LIMITATIONS:

- Requires moisture vapor primer for on-grade surfaces
- Will not bridge cracking

COLORS:

| | |
|---------------|------------|
| WHISPER GREY | COTTONWOOD |
| CHARCOAL GREY | BAJA BEIGE |

COVERAGE RATES:

| OVER CONCRETE SUBSTRATE | |
|-------------------------|---|
| 1 ST COAT | 200-250 FT ² / GAL @ 6.4-8 MILS WET FILM |
| 2 ND COAT | 225-275 FT ² / GAL @ 5.8-7.1 MILS WET FILM |

TECHNICAL PROPERTIES:

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|-------------------------|------------------|-------------|
| VOLUMETRIC MIX RATIO | 2A:1B | |
| VOC | 19.35 g/L | |
| | WINTER | SUMMER |
| VOLUMETRIC SOLIDS | 98.3 % | 94% |
| APPLICATION TEMPERATURE | 0-75°F | 75-100°F |
| POTLIFE | 15 Mins @ 75°F | |
| WORKING TIME | 20 MINS @ 75°F | |
| DRY TO TOUCH | 1-3 Hours @ 75°F | |
| RECOAT WINDOW | 3-12 Hours | |
| FULL CURE | 5-7 Days | |
| PENCIL HARDNESS | ASTM D3363 | F-H |
| TENSILE STRENGTH | ASTM D638 | 3,600 PSI |
| ELONGATION | ASTM D412 | 198% |
| TEAR STRENGTH | ASTM 2240 | 350 PSI |
| ADHESION | ACI 503R | 480 PSI |
| ABRASION | ASTM D4060 | 28.7mg Lost |
| FLAMMABILITY | COMBUSTIBLE | |

CHEMICAL RESISTANCE:

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|----------------|----------------|
| ACETONE | SPOTTING |
| XYLENE | FAINT SPOTTING |
| 10% HCL | FAINT SPOTTING |
| AMMONIA | NO EFFECT |
| DEGREASER | FAINT SPOTTING |
| LIQUID PLUMMER | NO EFFECT |
| VINEGAR | NO EFFECT |
| CLOROX | NO EFFECT |
| WINDEX | NO EFFECT |
| MOTOR OIL | NO EFFECT |
| GASOLINE | NO EFFECT |
| SKYDROL | SPOTTING |
| HOT TIRE | NO EFFECT |

PACKAGING:

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| 3 Gallon Kit | 15 Gallon Kit |
|--------------|---------------|

STORAGE:

Store materials indoors between 50°F & 75°F

SHELF LIFE:

One year from date of manufacture



APPLICATION EQUIPMENT:

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|-----------------------------------|---|
| Protective Clothing | 18" Roller Frame SKU - 7012 |
| Jiffy Mixing Paddle SKU - 7050 | 18"x3/8" Nap Roller Cover SKU - 7006-1 |
| Slow Speed Drill | 5-7 mil Notched Squeegee SKU - 7090-K |
| Spike Shoes SKU - 7045-D | |

SUBSTRATE REQUIREMENTS:

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|---------------------|--|
| CONCRETE: | Concrete must be structurally sound and free of all dirt, debris, and contaminants |
| PROFILE: | Concrete shall be porous and have a Concrete Surface Profile (CSP) level between 2 & 4 |
| MOISTURE: | Substrate shall have Moisture Vapor Emission Rate (MVER) of 3lbs / 1000 ft ² / 24 hr. or less |
| TEMPERATURE: | Ambient and substrate temps must be above 35°F and Relative Humidity should not exceed 65% |

SURFACE PREPARATION:









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|  | Perform Moisture Test using Calcium Chloride concrete moisture test kit per ASTM F1869 1 test/1000 ft ² is recommended. |
|  | Patch all depressions, divots and cracks using 4900 5-minute Crack Weld, 4930 Polyurea Crack & Spall Filler, or Divot Patch to reduce the ability to see the defect through the epoxy coating. |
|  | Concrete should be mechanically profiled and prepared to produce a Concrete Surface Profile (CSP) level between #2 & #4 according to the (ICRI) Guideline No. 03732. |

PLEASE REVIEW SAFETY DATA SHEETS (SDS) & CHEMICAL SAFETY GUIDE FOR SAFETY AND PRECAUTIONS

ENVIRONMENTAL FACTORS:

Working times are affected by environmental conditions. Large masses of mixed and/or heated material will have shorter pot-life. Keep material core temps between 50-75°F. In elevated temps consider icing buckets to reduce product temps and cold climates use pail warmers

5055 POLYUREA PRIMER MIXING STEPS:

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|---|--|
|   | Premix A-Component with drill at slow speed for 30 seconds to thoroughly blend pigment. |
|  | Pour pre-mixed A-Component and B-Component into a clean 5-Gallon bucket at the specified 2A:1B mix ratio. |
|   | Mix A & B Components in 5-Gallon bucket using drill at slow speed for 2 minutes |
|  | Transfer mix to new mixing vessel |
|   | Continue to mix for an additional 30 seconds to ensure components are thoroughly blended. |

5055 POLYUREA PRIMER APPLICATION STEPS:

COVERAGE RATES:

| | |
|----------------------|---|
| 1 ST COAT | 200-250 FT ² / GAL @ 6.4-8 MILS WET FILM |
| 2 ND COAT | 225-275 FT ² / GAL @ 5.8-7.1 MILS WET FILM |

APPROXIMATE WORKING TIMES: 20 MINS @ 75°F

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|--|--|
|  | Pour a band of mixed material out onto the floor roughly 6-8" wide |
|  | Begin spreading with an 5-7 mil notched squeegee or 18"x 3/8" nap roller. Work material evenly keeping a wet edge |
|  | Perform a Single Backroll on the surface by walking into the wet material wearing spike shoes and roll perpendicular to your first direction of application. Broadcast into wet material immediately. |
|  | Allow system to dry typically 1-3 hours at 75°F |

CLEAN-UP:

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

MAINTENANCE:

Maintain 5055 to minimum of 4 mils dry film.

DISCLAIMER:

All information provided in this technical data sheet is based on laboratory data. It is the responsibility of the customer to test the material for their application and conditions prior to using the product.

TEMPERATURE:

The product was tested at ambient temperature (75°F - 77°F). Results WILL vary when product is used at temperatures different from testing temperature. The pot life, gel time, and cure time is generally longer for colder temperature applications, and shorter for higher temperature applications. Physical properties are also impacted and dependent upon temperature.

SLIP RESISTANCE:

OSHA and the American Disabilities Act (ADA) have now set enforceable standards for slip-resistance on pedestrian surfaces. The current coefficient of friction required by ADA is .6 on level surfaces and .8 on ramps. Versatile High-Performance Coatings recommend the use of angular slip resistant aggregate in all coatings or flooring systems that may be exposed to wet, oily, or greasy conditions. It is the contractor and end users' responsibility to provide a flooring system that meets current safety standards. Versatile High-Performance Coatings or its sales agents will not be responsible for injury incurred in a slip and fall accident

WARRANTY:

Versatile High-Performance Coatings guarantees that this product is free from manufacturing defects and complies with our published specifications. If the buyer proves that the goods received do not conform to these specifications or were defectively manufactured, the buyer's remedies shall be limited to either the return of the goods and repayment of the purchase price or replacement of the defective material at the option of the seller. Versatile High-Performance Coatings (herein referred to as "seller") makes no warranty, expressed or implied, regarding the use of its products. Since use of this product is beyond the seller's control, the buyer assumes all risk of use. Seller's obligation shall be to replace material if found defective. Seller shall not be liable for any damage, injury, loss, direct or consequential, resulting from the use of its products. End user must determine if substrate is suitable for coating application before installing.

TECHNICAL SERVICES:

Technical services can be obtained by contacting Versatile High-Performance Coatings directly at 214-807-6878.