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## PRODUCT DESCRIPTION

VULKEM® WB Roof Primer is a high-performance, water-based, polymer-modified primer designed to condition a wide range of roofing substrates prior to the application of the following VULKEM® liquid-applied roofing systems:

- VULKEM® X4
- VULKEM® AT
- VULKEM® 4083

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## BASIC USES

VULKEM® WB Roof Primer is designed for use as part of the VULKEM® Roofing System to promote adhesion of liquid-applied membranes to approved roofing substrates, including:

- Single-ply membranes
- Smooth BUR (Built-Up Roofing)
- Modified bitumen systems (Granule & Smooth Surfaced)

Enhances adhesion and promotes consistent system performance, particularly over single-ply and modified bitumen substrates.

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## FEATURES AND BENEFITS

- Water-based formulation for low odor and easy cleanup
- Promotes adhesion across new and aged asphaltic and single ply membranes
- Quick drying to support efficient project timelines
- Compatible with select VULKEM® liquid-applied roofing systems
- Easy application by brush, roller, or spray

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## COLOR

Milky White

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## PACKAGING

5 gal (18.9 L) pails

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## STORAGE

12 months shelf life in unopened containers when properly stored.

**DO NOT FREEZE**

Recommended storage is indoors in a ventilated, dry area removed from heat, open flame, ignition sources and direct sunlight. Storage temperatures should range from 60-70°F (15-21°C) and must not drop below 32°F (0°C) or exceed 110°F (43°C).

On the job site, materials should remain on the pallet until use and be stored in a shaded, ventilated area. Materials should be covered with a light-colored, reflective tarp for protection against the elements. Allow for adequate air flow inside the pallets.

Shelf life could be affected if the product is not stored properly.

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## APPLICATION

**Surface Preparation:** Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Existing wet roofing components must be identified and replaced. Deficient areas of existing system must be repaired. All repairs should be made with like materials matching the existing components and allowed to properly cure prior to application of liquid-applied products.

If the surface has a pre-existing coating, paint, or sealant, please contact Tremco for adhesion/compatibility testing and surface preparation recommendations.

**Mixing:**

**Pails:** Use a heavy duty corded power drill with Jiffy Mixer mixing blade. Mix until product is consistent in appearance and viscosity. Do not thin.

**Installation:** Install product using one of the approved application methods evenly at the recommended coverage rate. Use wet mil gauges to monitor coverage rates throughout application.

Allow primer to dry to support foot traffic prior to application of Tremco's approved liquid applied products. If primer is exposed overnight, inspect surface prior to application to ensure film is tight and unaffected.

Approved liquid applied products can be installed up to 24 hours after VULKEM WB Roof Primer has been applied. After 24 hours, the surface must be cleaned and re-primed with VULKEM WB Roof Primer.

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## ACCEPTABLE ROOF SURFACES

VULKEM® WB Roof Primer is suitable for use on the following properly prepared roofing substrates:

- Smooth Built-Up Roofing (BUR)
- Smooth Modified Bitumen (MB)
- Granule-Surfaced Modified Bitumen - when recommended
- Single-Ply Membranes

All substrates must be clean, dry, and structurally sound prior to application. Surface preparation and compatibility should be verified before installation.

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## COVERAGE

Coverage will vary depending on substrate condition and porosity:

- **Smooth BUR / Smooth Modified Bitumen / Single-Ply:**  
~0.5 gal per 100 sq. ft. (0.2 L/m<sup>2</sup>) (~8 wet mils)
- **Granule-Surfaced Modified Bitumen:**  
~1.0 gal per 100 sq. ft. (0.4 L/m<sup>2</sup>) (~16 wet mils)

Note: Coverage rates are listed at minimum recommended rates. The application surface can affect the necessary coverage rate.

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## TEMPERATURE AND WEATHER CONDITIONS

Min Ambient: 50°F (10°C)

Max Ambient: 110°F (43°C)

- Minimum temperatures must be rising following application
- Do not apply when dew point is within 5°F (2.7°C) of ambient temperatures
- Do not apply when precipitation, fog or dew is imminent prior to cure of the product

- Do not apply when temperatures could fall below 32°F (0°C) within 24 hours of application

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## CURE TIMES

**Recoat Time:** 2 hours @ 77°F (25°C) / 50% RH

Note: Cure times can be effected by a number of weather and jobsite conditions including but not limited to exposure to sunlight and wind, humidity, precipitation, and temperature.

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## SPRAY EQUIPMENT RECOMMENDATIONS

### GENERAL GUIDELINES

**Component:** One-component

**Pressure:** 1,500 psi

**Tip Size:** .019-.029

**Filters:** Remove

**Hose Type:** High Pressure

**WHIP:** 1/4" High Pressure

**Product Temp:** Ambient

- Must use heavy duty or industrial grade spray tips
- Properly clean and maintain spray equipment before, during, and after use
- Equipment should be properly grounded during use

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## CLEAN UP

Clean with soap and water. Spray equipment can be cleaned with mineral spirits, xylene, or MEK. Any spills or over-coating must be cleaned immediately before product dries.

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## LIMITATIONS

Not recommended for use over the following:

**Roof Decks:** Cementitious wood fiber, metal, poured-in-place gypsum, structural lightweight or lightweight insulating concrete, and wood decks (includes plywood, tongue and groove, etc.).

**Products/Systems:** Asphalt-based or coal tar gravel surfaced BUR systems, clay tile, corrugated or standing seam metal roof systems, expanded or extruded polystyrene insulation, fluoropolymer finished metal, shingles, silicone-based products, and tar-based products.

- Not for use under continuous immersion.

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## WARRANTY

A repair or replacement warranty is available on all Tremco products. Visit <https://www.tremcosealants.com/warranties/> for details.

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## TYPICAL PHYSICAL PROPERTIES

Property	Typical Value	Test Method
Asbestos Content	None	ASTM D276
Density @ 77°F (25°C)	0.94 g/cm <sup>3</sup>	ASTM D1475
Non-Volatile Content	72%	ASTM D1644

Property	Typical Value	Test Method
VOC	<1 g/L	ASTM D3960

## MAINTENANCE AND PRECAUTIONS

Regular inspection and maintenance are recommended as part of a complete roofing system program. Periodic inspections, timely repairs, and preventive maintenance will help extend the service life and performance of the roofing system.

Users must read all product labels and Safety Data Sheets (SDS) prior to use. Use appropriate personal protective equipment (PPE) during handling and application. Ensure adequate ventilation during application and avoid contact with skin and eyes. Keep out of reach of children.

Please refer to our website at [www.tremcosealants.com](http://www.tremcosealants.com) for the most up-to-date Product Data Sheets.

**NOTE: All Tremco Safety Data Sheets (SDS) are in alignment with the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) requirements.**

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Tremco Construction Products Group (CPG) brings together Tremco CPG Inc. and its Dryvit and Nudura brands; Willseal; Prebuck LLC; Tremco Barrier Solutions, Inc.; Weatherproofing Technologies, Inc. and its Pure Air Control Services and Canam Building Envelope Specialists offerings; and Weatherproofing Technologies Canada, Inc.



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