

AlphaGuard™ PUMA VB

Two-Component, Epoxy-Based, Vapor Barrier Primer

DESCRIPTION

AlphaGuard PUMA VB is a two-component, epoxy-based, solvent-free vapor barrier primer resin for approved roof surfaces.

BASIC USES

AlphaGuard PUMA VB is used as a vapor barrier primer to mitigate vapor drive caused by moisture in approved roof surfaces/substrates.

PACKAGING

Part A - 2.4 gals (9.08 L), Part B - 1.2 gals (4.54 L)

COLOR

Amber

GRADE

Brush / Roller / Squeegee

POT LIFE

± 40 min. *Pot life dependent on ambient, substrate, and product temperature.

STORAGE LIFE

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.

APPLICATION

Surface Preparation: Surface must be clean, dry, in sound condition, and free of dirt, debris, and contaminants. Rust must be abraded until it no longer exhibits flaking or chalking. 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.

Allow new concrete to cure for a minimum of 28 days and until moisture, RH, and compressive strength values reach an appropriate level. Concrete surfaces must be shot-blasted to an ICRI 3-6 surface profile.

Metal surfaces and coated metal including fluoropolymer/PVDF coatings such as Kynar® (Registered trademark of Arkema Inc.) and Hylar® (Registered trademark of Solvay Solexis Inc.) must be ground to clean bright metal free of rust and primed prior to application.

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

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APPLICATION CONTINUED

Mixing: Use a heavy duty power drill with Jiffy Mixer attachment. Cordless drills are not recommended and may not properly mix the materials.

Add AlphaGuard PUMA VB Part A and Part B to a separate container and mix the combined materials for a minimum of 3 minutes moving the mix blade from top to bottom. Make sure to mix areas around side walls and bottom of pail. Improper mixing will result in non-curing material. Never fully invert empty pails in attempt to drain material - will result in non-curing material.

Do not break down kits into smaller quantities - **MIX ENTIRE KIT!**

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.

ACCEPTABLE SURFACES/ SUBSTRATES

Smooth BUR	Gravel BUR	Concrete	Foam	Modified Bitumen	Metal	Single Ply	SPUF	Walls
●		●		●				

For new (green) concrete recommendations contact Tremco Technical Product Group for information

COVERAGE RATE

Applied in two coats at 1 gal / 100 sq. ft. (16 mils) each
20-40 mesh Silica Sand broadcast into second coat until refusal

TEMPERATURE RECOMMENDATIONS

Min Ambient: 45°F (7.2°C)

Max Ambient: 110°F (43.3°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

CURE TIMES

Dry Time: 10-12 hours @ 77°F (25°C) / 50% RH

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

CLEAN UP

Clean tools immediate after use with AlphaGuard PUMA Cleaner.

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.
- Do not thin.

PHYSICAL PROPERTIES

PROPERTY	TYPICAL VALUE	TEST METHOD
Mix Ratio (A:B by Volume)	2:01	
Volume Solids	100%	
Viscosity at 73°F (23°C)	700-1500 cP	
Open to foot traffic	after 12 hrs at 73°F (23°C)	
Water Vapor Transmission	0.03	ASTM E96
Permeance	0.06	ASTM E96

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MAINTENANCE

Your local Tremco Roofing Sales Representative can provide you with effective maintenance procedures which may vary, depending upon specific conditions. Periodic inspections, early repairs and preventative maintenance are all part of a sound roof program.

PRECAUTIONS

Users must read container labels and Safety Data Sheets for health and safety precautions prior to use.

TECHNICAL SUPPORT

Your local Tremco Roofing Sales Representative, working with the Technical Service Staff, can help analyze conditions and needs to develop recommendations for special applications.



Roofing & Building Maintenance

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