

Product Description

TREMprime VB Primer is a two-component, epoxy-based, solvent-free vapor barrier primer for concrete and plywood surfaces.

Basic Uses

TREMprime VB can be used to mitigate vapor drive caused by moisture in concrete. It can be used on new and existing concrete slabs and plywood surfaces with all Vulkem coatings.

Coverage Rate

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

Packaging

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

Availability

Immediately available from your local Tremco Sales Representative, Tremco Distributor or Tremco Warehouse.

Application

Preparation: Surface must be clean, dry, solid and free of dirt, grease, oil, algae, and any other debris/contaminants. Allow new structural weight concrete to cure so that it meets or exceeds 3,000 psi (20.6 MPa). Concrete surfaces must be shot-blasted to CSP 3-4 per the International Concrete Repair Institute (ICRI) Guideline No. 310.2R-2013. For plywood surfaces or concrete RH of 90% or above, two coats of TREMprime VB are required.

Moisture Vapor Emission Testing:

ASTM F1869 Calcium Chloride
ASTM F2170 InSitu
ASTM F2659 Tramex
ASTM D4263 Rubber Mat Test

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

Application: This product should be installed with a medium-nap roller.

Apply TREMprime VB at 1 gal / 100 sq. ft. (16 wet mils) minimum.

After the initial coat has fully cured, apply a second coat at 1 gal / 100 sq. ft. (16 wet mils) and immediately broadcast 20-40 mesh silica sand into the wet primer resin until refusal at a rate of 0.7 to 1.0 lb/ft².

NOTE: Recommended Coverage Rates are approximate. Sand loading methods and concrete surface profiles may increase the amount of material required to obtain uniform coverage.

Features & Benefits

- Zero Volatile Organic Compounds (VOCs)
- Compatible with all Tremco membranes and coatings
- Mitigates vapor transmission through concrete and plywood substrates
- Full broadcast system - provides excellent substrate for bonding to membranes and coatings

Limitations

- Not for use over expanded polystyrene, extruded polystyrene, poured in place gypsum, lightweight insulating concrete, cementitious wood fiber decks and coal tar pitch.
- Do not apply in falling precipitation or when precipitation is imminent.
- All surfaces must be sound, clean, free of standing water and free from contamination.
- Any questions regarding drying times, coverage rates and unique application techniques regarding the individual primers should be directed to Tremco Technical Services or your local Tremco Sales Representative.
- Do not apply over contaminated surfaces.
- Do not thin.
- Do not break down kits into smaller quantities.

Warranty

Tremco warrants its Products to be free of defects in materials, but makes no warranty as to appearance or color. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE, with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase price of the quantity of Tremco Product proven to be defective, and Tremco shall not be liable for any loss or damage.

Please refer to our website at 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.

TREMprime VB Primer

Two-Component, Epoxy-Based, Vapor Barrier Primer

TYPICAL PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	TREMPRIME VB
Color		Transparent/amber
Mix Ratio (A:B by Volume)		2:1
Pot Life at 68°F (20°C)		± 40 min
Application Temperature		45°F (7°C) – 100°F (38°C)
Volume Solids		100%
Adhesion (Pull-Off)	ASTM D7234	>400 psi (concrete)
Water Vapor Transmission	ASTM E96	0.26 perms, 1 coat 0.11 perms, 2 coats
Viscosity at 73°F (23°C)		700-1500 cP
Open to foot traffic		after 12 hrs at 73°F (23°C)

0319TPVBDS



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