

ULTRA-GUARD EPOXY VR PRIMER

7 FLUID APPLIED | Membrane Waterproofing



PRODUCT DESCRIPTION

Ultra-Guard Epoxy VR Primer is a fluid-applied, uniquely modified, epoxy moisture mitigating primer. It is designed to be used as an above grade and below grade vapor retarder that is placed on the negative side of the concrete substrate. As a vapor emission suppressor, one application of Ultra-Guard Epoxy VR Primer will withstand moisture vapor emission rates of up to 10 lbs./1,000 square feet/24 hrs. Two (2) applications will withstand moisture vapor emission rates of up to 15 lbs./1,000 square feet/24 hrs. It is recommended for use under impervious non-breathing epoxy flooring systems or traffic-bearing waterproofing systems that cannot withstand high levels of moisture vapor transmission. Ultra-Guard Epoxy VR Primer is ideal for use under non-breathing flooring systems and traffic-bearing waterproofing systems.

As a general rule, most flooring and deck coating manufacturers do not recommend installing their products on concrete surfaces having moisture vapor emissions rate levels in excess of 3.0 lbs. of moisture emission when measured over a 1,000 square foot area during a 24-hour time period as measured by an anhydrous Calcium Chloride Test Procedure tested in accordance with ASTM F1869.

Ultra-Guard Epoxy VR Primer is applied in either single applications of 8 mils wet/dry film thickness or two applications at 8 mils wet/dry film thickness per each coat.

Formulated with environmental requirements in mind, Ultra-Guard Epoxy VR Primer contains no hydrocarbon solvents and thus meets all volatile organic substance regulations. Ultra-Guard Epoxy VR Primer has no significant odor during installation.

- Reduces or eliminates effects of moisture vapor emissions.
- Excellent adhesion to concrete.
- Convenient 3 to 2 by volume mix ratio
- High compressive, flexural and tensile strengths
- Installed only by qualified applicators
- Available through GMX distributors

Ultra-Guard Epoxy VR Primer is placed directly on strong and durable concrete substrates after proper mechanical surface preparation. The day after placement, the intended (impervious non-breathing) flooring or waterproofing system can be placed.

Caution: Concrete must be a minimum of 14 days old at time of application. Contact GMX for recommendations if fully cured concrete displays a moisture emissivity greater than 15 lbs./1,000 square feet/24 hrs. per ASTM F1869.

Storage and Handling Considerations:

Shelf life will be one year from the date of manufacture as long as containers remain unopened and when material is stored in a protected environment that is free from moisture, excessive heat and freezing temperatures, and direct sunlight.

INSTALLATION

Install a minimum of 4' by 4' test area job site mock-up for approval of acceptable color, texture, finish, adhesion, and any other critical requirement acceptable to the owner prior to proceeding with the installation of the entire project.

Verify current versions of product technical data sheets, Safety Data Sheets (SDS), and installation guidelines by contacting GMX.

Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor per square feet material consumption to ensure correct application thicknesses and rate are obtained.

Overview of Installation

Apply Ultra-Guard Epoxy VR Primer to prepared dry substrate with a CSP 3 - 5 surface preparation.

Apply at a coverage rate of 200 square feet (18.6 sq. m.) per gallon.

Allow to dry between coats (8 - 10 hours cure time at 75° F / 50% RH.)

For moisture mitigation up to 15 lbs./1,000 square feet/24 hrs., a second application of Ultra-Guard Epoxy VR Primer is required, applied at 200 square feet per gallon.

Allow to cure a minimum of 8 - 10 hours prior to placement of surfacing material.

Limitations

Minimum ambient and surface temperatures of 55° F (7° C) required during installation.

If sub-surface cracks, Ultra-Guard Epoxy VR Primer may reflect those cracks to some degree.

Ultra-Guard Epoxy VR Primer is not a substitute for a functioning vapor barrier beneath slabs.

Prior to placement of third-party flooring systems on top of Ultra-Guard Epoxy VR Primer, check to make sure adhesive bond strength can be developed and obtain third-party flooring system manufacturer approval.

Ultra-Guard Epoxy VR Primer is a topical treatment; therefore, it is not a remedy for the causes of ASR (alkali silica reaction).

Moisture vapor transmission (MVT) in excess of 3.0 lbs./1,000 square feet per 24 hr. period of per ASTM F1869 may result in delamination, discoloration or improper curing. Use Ultra-Guard Epoxy VR Primer vapor control membrane over substrates which have MVT emissions that exceed these limits. Consult with GMX prior to using Ultra-Guard Epoxy VR Primer if moisture vapor transmission exceeds 15 lbs./1,000 square feet per 24 hr. period per ASTM F 1869.

AVAILABILITY AND COST

GMX materials are produced in and shipped from our North Carolina plant. For the name and number of the nearest GMX representative and/or pricing, call us at 866-228-7743.

WARRANTY

GMX warrants its material to be free from defects at the time of installation and will offer a commercial warranty for 10 years provided our materials are applied in accordance with the published specifications in effect at the time of installation. For specific warranty terms and conditions, contact your local GMX representative.

TECHNICAL SERVICES

Your local GMX representative is available to assist you in selecting the appropriate product and to provide on site application assistance. For further information, please contact our Technical Service Dept. at 866-228-7743.

NOTE: May help to contribute to LEED® credits

Technical Data Ultra Guard Epoxy VR Primer	
Adhesion ASTM D 4541	>400 psi
Compressive Strength ASTM D 695	12,000 psi
Tensile Elongation ASTM D 638	4,200 psi
Pot Life	25 Minutes (at 76° F (24° C))
Alkali Resistance ASTM D 1308	Resistant
Coverage Rates	200 square feet/gal. @ 8 mils WFT per coat.
Mix Ratio	One and one half (1-1/2) parts by volume of Base Resin "Part A" to one (1) part by volume Curing Agent "Part B".
Packaging	Kit sizes: 1 gallon unit, 2-1/2 gallon kit
Color	Clear



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