



Product Data Sheet

1. PRODUCT DESCRIPTION

A) COMPOSITION

ET 1000 Primer VM is a two component, epoxy primer designed as an adhesion promoter and vapor retarder. This primer functions as a uniquely modified epoxy moisture mitigation material. It is designed to be used as an above- and below-grade vapor retarder that is placed on the negative side of the concrete substrate. As a vapor emission suppressor, one application will withstand moisture vapor emission rates of up to 10 lbs/1000 sq/ft/24 hrs. Two applications will withstand moisture vapor emission rates of up to 15 lbs/1000 sq/ft/24 hrs.

B) TYPICAL USES

ET 1000 Primer VM is recommended for use under impervious non-breathing flooring systems that cannot withstand moisture vapor transmission levels with moisture vapor emissions rates above the floor covering manufacturer's recommended levels. For example, it is ideal for use under the vast majority of non-breathing flooring systems, including epoxies, urethanes, rubber, adhesives (for carpet, vinyl and wood), vinyl tiles, vinyl sheet goods, woods and other impervious flooring systems

C) ADVANTAGES/LIMITATIONS

Advantages

- Excellent adhesion and flexibility
- Reduces or eliminates effects of moisture vapor emissions.
- Excellent adhesion to concrete.
- Convenient 3:2 by volume mix ratio.
- High compressive, flexural and tensile strengths.
- Installed only by professional trained contractors.

Limitations

- Minimum ambient and surface temperatures of 55°F (7°C) required during installation.
- If sub-surface cracks, ET 1000 Primer VM may reflect those cracks to some degree.
- Is not a substitute for a functioning vapor barrier beneath slabs.
- Prior to placement of third party flooring systems on top of ET 1000 Primer VM, check to make sure adhesive bond strength can be developed.
- ET 1000 Primer VM is a topical treatment; therefore it is not a remedy for the causes of ASR (alkali silica reaction).

Note: Avoid standard epoxy primers if moisture vapor transmission (MVE) in excess of 3.0 lbs./1000 sq ft per 24 hr. period, per ASTM F1869, which may result in delamination, discoloration or improper curing. Use ET 1000 Primer VM vapor control membrane over substrates, which have MVE emissions that exceed these limits. Consult with Strongwall prior to using ET 1000 Primer VM if moisture vapor transmission exceeds 15 lbs/1000 sq/ft/per 24 hr period per ASTM F1869.

D) TYPICAL PHYSICAL PROPERTIES @ 75°F (24°C)

Adhesion ASTM D4541 >400 psi
(100% failure in concrete exposed to moisture vapor emission Rate at 15 lbs/1000 sq/ft/24 hr/per ASTM F1869)

Compressive Strength ASTM D695..... 12,000 psi

Tensile Strength ASTM D638 4,200 psi

Tensile Elongation ASTM D638, percent2.7%

Microbial Resistance ASTM G21..... Passes Rating 1

Alkali Resistance ASTM D1308 Resistant

FOR BEST RESULTS

Install a minimum 4' by 4' test area 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. Protect materials from excessive heat and cold and regularly check wet film thickness with mil gauge and monitor consumption to ensure correct application thicknesses and rate are obtained.

OVERVIEW OF INSTALLATION STEPS

- Apply ET 1000 Primer VM to prepared dry substrate of a CSP 3 - 5 at a coverage rate of 225 sq. ft. (20.9 sq. m) per gallon.
- Allow to dry time between coats 8 – 10 hours cure time at 75 Deg. F / RH 50.
- For moisture mitigation up to 15 lbs/1000 sq/ft/24 hrs a second application of ET 1000 Primer VM is required, at 225 sq. ft per gallon.
- Allow to cure a minimum of 8 – 10 hours prior to placement of surfacing material..



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2. CAUTIONS

Carefully read and follow instructions on MSDS.

3. PRODUCT AVAILABILITY

Strongwall Industries Inc. maintains offices and/or factories at all addresses listed below. Factory Trained Contractors are established in all major trading areas in the United States and Canada.

4. CLEANING

Cleaning and disinfecting compounds and cleaning techniques can affect the color, gloss, texture and performance of the system. As a precautionary step, SWI recommends that the end-user test their cleaning and disinfecting compounds on a sample or on a small, out of the way finished area, utilizing the intended cleaning technique prior to cleaning the entire surface area. If no deleterious effects are observed, the procedure can be continued.

If the cleaning and disinfecting compounds or cleaning techniques damage the system, modification of the cleaning material or techniques will be required. Contact your Representative for additional information.

5. SPECIFICATION ASSISTANCE

Consult Strongwall Industries Inc. for specification assistance, detailing, etc. This consultation is highly recommended prior to specification.

6. TESTING

The technical data contained herein is the result of tests made in SWI's laboratories or in independent laboratories using small scale equipment, following generally accepted trade practices. Although this information is believed to be true and accurate, the use of different equipment for testing under dissimilar conditions or the testing of samples produced under dissimilar conditions may develop substantially different results.

LIMITED WARRANTY

NO WARRANTY SHALL BE EFFECTIVE UNTIL THE TERMS AND CONDITIONS OF SALE SET FORTH IN STRONGWALL INDUSTRIES INC. INVOICE ARE MET.

Strongwall Industries Inc. warrants to the purchaser of its products that such products are free from manufacturing defect. SWI does not warrant or guarantee the workmanship performed by any person or firm installing its products. SWI's obligation under this warranty is limited solely to the original purchaser and solely to the remedy of replacement in kind of any product which SWI sold which may prove defective in manufacture within one year from date of installation, provided said product was stored correctly and installed within the product's shelf life, by the original purchaser and which SWI examination shall disclose to SWI's satisfaction to be thus defective.

IN NO EVENT SHALL STRONGWALL INDUSTRIES INC. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY IS EXPRESSLY GIVEN IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR USE AND ALL OTHER OBLIGATIONS OR LIABILITIES ON SWI'S PART, AND WE NEITHER ASSUME NOR AUTHORIZE ANY PERSON OR PERSONS TO ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF A SWI PRODUCT. THIS WARRANTY SHALL NOT APPLY TO ANY OF SWI'S PRODUCTS, WHICH HAVE BEEN SUBJECT TO ADULTERATION, ALTERATION, ABUSE OR MISUSE. STRONGWALL INDUSTRIES INC. MAKES NO WARRANTY WHATSOEVER IN RESPECT TO ACCESSORIES, PARTS OR MATERIALS NOT SUPPLIED BY STRONGWALL INDUSTRIES INC., WHICH ARE USED IN CONNECTION WITH ITS PRODUCTS. THE TERM "ORIGINAL PURCHASER" IN THIS WARRANTY MEANS THAT PERSON, CORPORATION OR ENTITY TO WHOM STRONGWALL INDUSTRIES INC. SOLD ITS PRODUCT OR PRODUCTS. ANY ACTION TO ENFORCE ANY WARRANTY OR FOR BREACH OF CONTRACT OR ARISING OUT OF ANY CLAIM AGAINST STRONGWALL INDUSTRIES INC. SHALL BE COMMENCED AND MAINTAINED ONLY IN A COURT OF COMPETENT JURISDICTION IN THE CONTINENTAL UNITED STATES OF AMERICA. THE PURCHASER ACCEPTS THESE TERMS AND CONDITIONS, AND HEREBY EXPRESSLY WAIVES ANY CLAIM TO ADDITIONAL DAMAGES.

CAUTION: ALWAYS KEEP OUT OF THE REACH OF CHILDREN.



Strongwall Industries, Inc.

107 Chestnut Street, Ridgewood, NJ 07450

Tel: 201-445-4633 • Fax: 201-447-2317 •

e-mail: strongwall@strongwall.com

www.strongwall.com