

MOISTUREBLOC[®] PRIMER MX

STEP 1 OF MOISTUREBLOC MX SYSTEM NEW CONSTRUCTION • FAST TRACK

DESCRIPTION

MOISTUREBLOC PRIMER MX is the answer to the question “How can concrete be easily and economically cured prior to the installation of floor covering materials such as tile, carpet and wood. MoistureBloc Primer MX is a liquid membrane forming curing and sealing compound manufactured using a 100% modified styrene acrylic polymer containing functional groups which will combine chemically with

MOISTUREBLOC MX. MoistureBloc MX provides maximum protection against flooring adhesive failure caused from moisture vapor in concrete. MoistureBloc MX is applied to concrete surfaces prior to the installation of floor covering materials such as tile, carpet and wood. MoistureBloc MX is guaranteed to reduce 27/# calcium chloride test to below 3.0#/ 1000 sq. ft. /24hrs.

BENEFITS

- Primes the surface for subsequent application of MoistureBloc MX
- Eliminates costly and time consuming removal of curing membranes prior to flooring installation
- Apply to new concrete for fast project completion
- Provides for complete development of concrete’s wear resistance and strength properties
- Does not blush or whiten when applied to damp surface
- Prevents efflorescence, dusting and spalling
- Aids in keeping floors cleaner during construction

SURFACE PREPARATION EXISTING CONCRETE

The concrete surface must be properly repaired, structurally sound and cleaned. Use Vexcon’s surface prep and cleaning products to properly clean the surface prior to application.

- Use **MoistureBloc Adhesive Remover** to remove old adhesives and floor waxes prior to application of the vapor reduction system.
- To remove coatings such as epoxies, sealers and curing compounds use **MoistureBloc Stripper**.
- The floor shall be cleaned with **MoistureBloc Floor Cleaner** to remove any dust, dirt or debris and allowed to dry for a minimum of 24 hours after cleaning.
- To remove efflorescence or to etch the surface for improved material penetration use **StarSeal[®] Safe Etch**.
- There should be no freestanding water on the surface when the vapor reduction system is applied.
- Hairline cracks should be repaired using **MoistureBloc Flexible Joint Sealant**.

APPLICATION OF MOISTUREBLOC PRIMER MX

- Thoroughly mix with jiffy mixer before using or placing in the spray equipment’s reservoir.
- The product is supplied ready to use. Do not dilute with water or solvents.
- Apply by low-pressure sprayer with neoprene fitting. If not available use a brush or roller. If applying by roller for best results use Vexcon’s **EvenFlow Applicator** or ¼" nap mohair solvent roller.
- Use a roller pan to take off excess product. Do not dip and roll or pour and spread
- **IMPORTANT:** MoistureBloc Primer MX, when dry, should have a uniform glossy appearance. If there is an appearance of gloss variation, a second thin coat of primer is always recommended. Two coats at the recommended coverage rate are preferable to one thick coat. See Second Coat section.
- **Many water based adhesives require a portion of the water to go into the concrete to help achieve quick tack time; this water will not go through the MoistureBloc System. The tack time of each adhesive should be determined prior to applying the tile; this can vary as much as 100% vs. application of the adhesive on concrete. *Consult with Vexcon for compatibility of reactive adhesives for flooring. . If adhesive tack time may not be extended refer to the section “Application As Base for Cementitious Overlayments or Patching Products” on this data sheet**

SEALING EXISTING CONCRETE

- Prior to application a test area must be performed to determine proper application rate and required surface preparation.
- To determine that the concrete is penetrable perform a water absorbency test by applying water to a representative portion of the prepared concrete floor. A properly prepared surface when dry will immediately absorb clean water without any surface beading effects.
- If required use StarSeal Safe Etch to improve sealer penetration.
- Apply one coat of MoistureBloc Primer MX at 200-300 sq.ft./gal (5.0-7.5 m²/L) and allow to dry a minimum of 4 hours and no more than 48 hours before applying any MoistureBloc MX coating.

CURING AND SEALING NEW CONCRETE

- Apply MoistureBloc Primer MX as directed, as soon as possible after the concrete has received final finishing, just as the water sheen disappears.
- If application is delayed, the concrete must be kept wet (preferably by water spray-mist) until the curing coat can be applied. Coat uniformly leaving no gaps, slips or excess, at a rate of 200 sq.ft./gal.
- Let the concrete cure a minimum of 72 hours before application of MoistureBloc MX.

APPLICATION AS BASE FOR CEMENTITIOUS OVERLAYMENTS OR PATCHING PRODUCTS

The use of MoistureBloc Universal as a vapor reduction system under cementitious flooring systems must follow the directions below:

1. **MoistureBloc Surface Bond** (data sheet CP154) must be applied over MoistureBloc in accordance with manufacturer's directions as a primer bonding agent for the cementitious product.
2. The latex primer system for the cementitious manufacturer can be used if designed as a bonding agent to concrete.

SECOND COAT

A second coat may be required if the first coating is worn, damaged or gloss variation. Surfaces that have been sealed with MoistureBloc Primer MX should be cleaned of construction dust, mortar, etc. by sweeping, washing and drying thoroughly. Apply a thin coat of MoistureBloc Primer MX to the clean dry surface at 300-400 sq.ft./gal (5.0-7.5 m²L). Let MoistureBloc Primer MX dry a minimum of 4 hours and no more than 48 hours before applying MoistureBloc MX.

SPECIAL NOTES

- May show rubber burns
- This product will cause bleeding on bituminous surfaces
- Not gasoline resistant
- Equipment clean up: Use **Certi-Vex Equipment Cleaner**
- If properly stored in its original sealed container, one year from date of manufacture. Rotate your stock
- Can be applied to 20^oF. Request Vexcon's Cold Weather Application Guide
- For use by experienced applicators.
- Proper application of Vexcon material is the responsibility of the installer or user. Telephone consultation and/or field visits by Vexcon personnel are for the sole purpose of making technical recommendations only, and not for providing quality control or supervision on location.

INDEPENDENT LABORATORY TEST RESULTS

D/L LABORATORY D/L LAB# 10760B

MoistureBloc Primer MX applied at 200 sq.ft./gal on mortar panel, topcoated with MoistureBloc MX.

ASTM D 4541-Adhesion Test

Primed 395 psi Unprimed 350 psi

ALL breaks concrete failure

Federal Spec TTC 535, B Section 3.4.10

6 hours steam immersion

FLOOR REPAIR AND RESTORATION

- **MoistureBloc SLU**- High strength and fast setting self leveling underlayment designed to level and smooth interior substrates prior to installation of finished flooring
- **MoistureBloc FP** - Self curing advanced polymer modified skim coat leveling compound for patching and restoration of interior concrete floor surface defects

SPECIFICATIONS/COMPLIANCE

- VOC 665grams/liter or 5.55#/gal
- Meets:
- US EPA AIM - Waterproofing Sealers and Treatments
 - OTC - Waterproofing Concrete/Masonry Sealers
 - CARB - Waterproofing Sealers, Concrete/Masonry
- ASTM C309, Type 1 Class A&B
 - ASTM C1315 Type 1 Class B
 - USDA requirements for paints and coatings for use in federally inspected meat and poultry plants
 - Meets the requirements of the Tile Adhesion Test of the Resilient Tile Institute
 - CSI reference 07 26 13, 09 61 20

PACKAGING

MoistureBloc Primer MX is available in 55 gallon drums and 5 gallon pails.

PHYSICAL PROPERTIES

- Color Clear
- Dry to touch 60 minutes
- Dry tack free 30 minutes
- Moisture Retention Passes
- Solids 25% minimum

Note: Dry time and curing time depends on air temperature and film thickness. All calculations based upon 68-77 ° F (20-25°C). Low temperatures and relative humidity will extend dry time.

HEALTH AND SAFETY

- Use only with adequate ventilation
- If swallowed, do not induce vomiting
- Use of gloves, goggles and other protective clothing is advised when using this product
- Use of respirators is advised when using in confined areas

Vexcon MSDS CP125 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using product obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.

CONTACT US @

Additional product information, technical assistance and customer service is available by contacting Vexcon Chemicals directly or our distributors.

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