



Protect flooring installations from the ground up.

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## MOISTUREBLOC®MX \*

REDUCES CALCIUM CHLORIDE TESTS FROM 27# – TO BELOW 3#  
\*WITH POWERCOAT® TECHNOLOGY

### DESCRIPTION

**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. Moisture can come from ground water, atmospheric conditions, repeated floor cleaning or the concrete itself. When excess moisture is present in concrete, a common result is flooring adhesive failure. In some cases mold, mildew and floor lifting can cause health and safety issues. MoistureBloc MX is guaranteed to reduce 27/# calcium chloride test to below 3.0#/1000 sq. ft. /24hrs. MoistureBloc MX can be applied to existing and new concrete surfaces curing the concrete and protecting the flooring for a quick and easy installation. MoistureBloc MX has excellent adhesion, flexibility, impact and abrasion resistance. MoistureBloc MX is a two part epoxy based on Powercoat technology. Powercoat is a unique functional and breathable epoxy coating which addresses coating failures from moisture vapor.

### BENEFITS

- Maximum protection against moisture vapor
- Protects adhesive from moisture vapor
- Effective mold and mildew blocker
- MoistureBloc MX can be applied in 3 days after concrete is poured.
- Reduces CaCl<sub>2</sub> tests from 27# to below 3#/24hrs/1000 sq.ft.
- When used with MoistureBloc Primer MX it can be applied to damp and new concrete surfaces
- 3.30 perms rating
- Performance warranty

### 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

Prior to application of MoistureBloc MX, the surface must be primed with 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
- Apply MoistureBloc Primer MX at 200 sq.ft./gal. A second coat may be required. See MoistureBloc Primer MX data sheet CP125 for further instructions.
- **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.

### APPLICATION OF MOISTUREBLOC MX

- The coating is supplied in two parts, A and B, which are mixed together just prior to use.
- The product is supplied at the proper consistency for spraying and dilution will reduce efficiency.
- Separately mix with a Jiffy Mixer the individual contents of each until uniform in consistency. When this is done, mix part B into part A.
- After thoroughly mixing, allow the mixed product to stand undisturbed for a 30-minute induction period before applying. Low temperatures require longer induction, temperature above 80°F., less induction.
- Apply at 200 sq.ft./gal. by industrial paint sprayer, or if rolling, for best results use Vexcon's **EvenFlow Applicator**. Lambs wool applicator or ¼" nap mohair solvent roller are also acceptable. (See coverage rates.)
- If using a roller do not overwork the material. Coat in one lapping direction only, overworked material can affect the film properties.
- The mixed material has a pot life of approximately 4 to 6 hours.
- **The dry time is dependent on temperature, air flow, film thickness and concrete conditions not a specific number of hours. When in doubt contact Vexcon Technical Services.**
- To protect your floor from ongoing construction dust, dirt and debris, use **Certi-VexTalc Release** data sheet OP132, until all construction work is completed.
- Clean application equipment daily with **Certi-Vex Equipment Cleaner**.

## APPLYING ADHESIVE

1. After the MoistureBloc MX has dried hard overnight apply a coat of MoistureBloc Primer MX at 300 sq.ft./gal. and permit to dry 4 hours.
2. The floor is ready to apply adhesive at this point, or to run calcium chloride tests for warranty.
3. **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 data sheet CP125 MoistureBloc Primer MX**

## FLOOR REPAIR AND RESTORATION

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

## 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.

## SPECIAL NOTES

- Do not apply below 60° F (15° C) or above 85° F. (29° C).
- Do not apply more than one coat without proper surface preparation including surface abrasion after full cure.
- Do not use spiked shoes during application.
- A second coat can be applied after when dried and within 48 hours without abrading the surface.
- For use by professional applicators. Store at room temperature
- Do not apply second coat until the first coat is dry. When in doubt contact Vexcon Technical Services.
- If properly stored in its original sealed container, one year. Rotate your stock
- 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.

## SPECIFICATIONS/COMPLIANCE

- VOC 340grams/liter or 2.83#/gal  
Meets:
  - US EPA AIM - Industrial Maintenance Coatings
  - OTC - Industrial Maintenance Coatings
- USDA requirements for paints and coatings for use in federally inspected meat and poultry plants
- ASTM-E84 Class A fire rating
- ADA and ASTM 2047 non-slip requirements
- CSI reference 07 26 13, 09 61 50

## COVERAGE RATES

Apply MoistureBloc Primer MX at 200 sq. ft./gal (5.0- m<sup>2</sup>/L).  
Calculated dry film thickness is based on one coat.

### MOISTUREBLOC PRIMER MX

200 sq.ft. /gal (5.0 m<sup>2</sup>/L)      2 mils (5 µm)

### MOISTUREBLOC MX

200 sq.ft. /gal (5.0 m<sup>2</sup>/L)      5 mils (13 µm)

## WARRANTY

MoistureBloc MX Vapor Reduction System is covered by a five-year comprehensive limited replacement warranty. Contact Vexcon for complete warranty information.

## BREATHABILITY TESTING

PERMEABILITY: ASTM D1653 3.30 perms DL LABS # 11884-B, ASTM F-1869 3.0#/1000 sq.ft./24 hrs. vs. uncoated of 27#/1000 sq.ft./24 hrs.

## PHYSICAL PROPERTIES

- Dry-Tack Free      Less than 6 hours
- Curing time - Foot Traffic      24 hours
- Curing time - Vehicle Traffic      One week
- Solids      61% by volume, 72% by weight

Note: dry 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.

## PACKAGING

**PART A:** 1.6 gallons by volume in a 5 gallon pail; by weight 37%.

**PART B:** Base: 2.4 gallons by volume in a 3 gallon pail; by weight 63%

**YIELD:** 4 gallons of finished coating

When using other containers to measure smaller volumes, the above ratios must be used.

## HEALTH AND SAFETY

Vexcon MSDS CP120 is an integral part of the safety and application of our product. A short synopsis is provided in this product data sheet. Before using this Vexcon product obtain a copy of the MSDS, CP120 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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### WARRANTY

Vexcon warrants that the goods supplied hereunder shall be of its standard quality and shall conform in all material respects to the sample which has been made available for testing by buyer prior to sale. As the EXCLUSIVE REMEDY for any breach of this Limited Warranty, Vexcon shall replace nonconforming goods or refund the purchase price. Since methods of use and application are beyond Vexcon's control, this Limited Warranty IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS ALSO IN LIEU OF ANY OTHER POSSIBLE LIABILITIES OF VEXCON, WHETHER ALLEGED TO ARISE BY AGREEMENT OR BY OPERATION OF LAW, RESPECTING THE SALE, APPLICATION, USE OR FUNCTION OF VEXCON'S PRODUCTS, INCLUDING BUT NOT LIMITED TO CLAIMS OR NEGLIGENCE, GROSS NEGLIGENCE, STRICT LIABILITY OR ANY OTHER TORT. IN NO EVENT SHALL VEXCON BE LIABLE FOR PERSONAL INJURY OR PROPERTY DAMAGE, REAL OR PERSONAL, ATTRIBUTED TO ITS PRODUCTS, NOR FOR ANY EXCAVATION, REMOVAL, REAPPLICATION, DOWN TIMES, CLEANUP, LOSS OF USE, LOSS OF OPPORTUNITY, LOSS OF MARKET VALUE, LOSS OF RENTAL VALUE OR FOR ANY LOSS OF PROFITS OR OTHER SPECIAL, INCIDENTAL, RESULTING, CONSEQUENTIAL OR EXEMPLARY DAMAGES. No person is authorized by Vexcon to assume for it any other liability of any kind in connection with the sale or use of products manufactured and sold by it, and there are no oral agreements or warranties collateral to or affecting any sale or use. All of the foregoing arises under the substantive law of Pennsylvania without regard to principles of conflicts of laws.