



Protect flooring installations from the ground up.

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## MOISTUREBLOC® FLEXIBLE JOINT SEALANT

HIGH DURABILITY • CHEMICAL RESISTANT • 100% ACTIVE

### DESCRIPTION

**MOISTUREBLOC FLEXIBLE JOINT SEALANT** is a breathable two-part epoxy flexible joint filler designed for use on MoistureBloc treated surfaces that require fast-track filling and sealing of moving expansion/contraction joints.

The product is tough and durable with excellent adhesion and flexibility to resist cracking, as well as high impact and abrasion resistance.

### BENEFITS

- Shaveable in 4-6 hours
- No heat required for shaving
- Provides excellent adhesion, flexibility, durability, and resistance to impact, water and abrasion
- Cures with less than 1% shrinkage or loss in film thickness
- Requires no primer

### MEETING YOUR INSTALLATION NEEDS

- MoistureBloc products are specially formulated to work together to meet the installation needs of almost any flooring project.

### APPLICATION INSTRUCTIONS

- Joint Preparation: Thoroughly clean dirt and laitance from joint, using one of Vexcon's MoistureBloc surface preparation products.
- The sealant is supplied in two parts, A and B, which are mixed together just prior to use. Wire brushing and vacuuming are recommended.
- Separately mix the individual components with Jiffy-type mixer until uniform in consistency. When this is done, mix Part B into Part A and mix until uniform in consistency.
- After thorough mechanical mixing, allow the mixed product to stand undisturbed for a 10-minute induction period before applying.
- Apply with caulking gun or other equipment designed for sealant applications or a putty knife to horizontal and vertical joints.
- Apply slightly higher than joint if desired. Excess can be shaved with a knife up to 4-6 hours depending on conditions and up to 12 hours after application to yield a flush surface.
- The mixed material has a pot life of 2 hrs.
- Clean application equipment daily with **Certi-Vex® Equipment Cleaner**.

### APPLICATION PROCEDURES WITH MOISTUREBLOC PRODUCTS

- Joint preparation, follow application instructions above.
- Apply after all preparation for MoistureBloc system as per product data sheet.
- Apply MoistureBloc Flexible Joint Sealant in accordance to application instructions above.
- Shave when ready
- Apply a light coat of **MoistureBloc MX Primer** to the joint sealant and allow to dry per product data sheet CP125.
- Any of the **MoistureBloc Step 1**, **MoistureBloc One Step** products or **MoistureBloc MX** products, can then be applied over the primed MoistureBloc Flexible Joint Sealant, in accordance to product data sheet directions.
- If, patching or leveling compound such as **MoistureBloc FP**, **MoistureBloc Patch**, or **MoistureBloc SLU** are being used, apply MoistureBloc Surface Bond, per product data sheet, over the, primed joint sealant prior to applying cementitious leveling products.

### SPECIFICATIONS/COMPLIANCE

- VOC : <250 grams/liter or <2.08 #/gal  
Meets:
  - US EPA AIM - Industrial Maintenance Coating
  - OTC - Industrial Maintenance Coating
  - LADCO - Industrial Maintenance Coating
  - Canada - Industrial Maintenance Coating
  - CARB - Industrial Maintenance Coating
- USDA requirements for coatings for use in federally inspected meat and poultry plants.
- ASTM E108: Class A Fire rating
- CSI reference: 03 64 23 Epoxy Injection Grouting

## SPECIAL NOTES

- MoistureBloc Flexible Joint Sealant has splash and immersion resistance to many chemicals and can be used in areas where splashed materials will be removed in reasonable times, usually 4-24 hours. For immersion test information, please see other side. Do not use in constant immersion applications without consulting with Vexcon Chemicals if chemical is not on list.
- MoistureBloc Flexible Joint Sealant can be used on fresh concrete.
- If backer rod is used, MoistureBloc Flexible Joint Sealant must be a minimum of 1" thick.
- Do not apply below 50°F (10°C) or above 85°F (29°C).
- Do not apply more than one coat without proper surface preparation including surface abrasion after 7 day full cure.
- A second coat can be applied after 6 hours and within 48 hours without abrading the surface.
- Recommended for all joints that are not designed for constant movement.
- Same lot numbers should be used throughout the project. If lot numbers differ, box-mix prior to use.
- If properly stored in its original sealed container, three years from date of manufacture. Rotate your stock.
- For use by experienced contractors.
- 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.

## COVERAGE RATES

Apply MoistureBloc Flexible Joint Sealant in accordance with Sealant Estimating chart. One gallon fills 231 cubic inches.

## DURABILITY & WEARABILITY TESTING

Independent lab testing has confirmed that Vexcon's MoistureBloc Flexible Joint Sealant provides outstanding physical strength characteristics. The system's hardness and durability far exceeds the standard levels for the product mil levels.

Hardness, Shore A ASTM D2210	85
Hardness, Shore D ASTM D2210	45
Adhesion ASTM D4541	275 psi
Water absorption % 72 hrs. ASTM D570:	0.80%
Jet fuel immersion %:	0.0 %
Flexibility 1/8" Mandrel ASTM D522 Method B:	
Cracking or loss of bond	None
Falling sand abrasion 25 L/dry mil, min. ASTM D968:	>30 L/dry mil
Elongation ASTM D638	45%
Tensile Strength ASTM D638	292 psi
Data per DL Labs Test Reports, DL-11875A, 11371, 11887.	
Reports available upon request.	

## PACKAGING

	4 gal. unit / mix by volume	1 gal unit / mix by volume	Weight % / mix by weight
<b>Part A</b>	3.0 gal.	0.75 gal	77%
<b>Part B</b>	1.0 gal	0.25 gal	23%

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

## PHYSICAL PROPERTIES

- Color Concrete Gray
  - Dry-Tack Free 4-6 hours
  - Curing Time Overnight; full curing one week
  - Reactivity 100%
  - Shrinkage Less than 1%
- 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. Store @ 60-80°F (15-26°C) prior to use.

## HEALTH & SAFETY

Vexcon MSDS CP132 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 it is advisable to obtain a copy of the MSDS from your distributor or by contacting Vexcon Chemicals.

## SEALANT ESTIMATING

One gallon = 231 cu in = 3785.412 cm<sup>3</sup>  
Cubic inches of Joint divided by 231 = gallons needed

## LINEAR FT/GAL (LINEAR METER/GAL.)

	DEPTH	1"	1.5"	2"	2.5"
WIDTH	1/8"	154'	102.67'	77'	61.6'
	0.32cm	(46.9m)	(32.3m)	(23.5m)	(18.8m)
WIDTH	1/4"	77'	51.33'	38.5'	30.8'
	0.635cm	(23.5m)	(15.6m)	(11.7m)	(9.4m)
WIDTH	3/8"	51.33'	34.22'	25.67'	20.53'
	0.95cm	(15.7m)	(7.38m)	(7.82m)	(6.26m)
WIDTH	1/2"	38.5'	25.67'	19.25'	15.4'
	1.27cm	(11.7m)	(7.82m)	(5.87m)	(4.69m)
WIDTH	5/8"	30.8'	20.53'	15.4'	12.32'
	1.59cm	(9.39m)	(6.26m)	(4.69m)	(3.76m)
WIDTH	3/4"	25.67'	17.1'	12.83'	10.27'
	1.9cm	(7.82m)	(5.22m)	(3.91m)	(3.13m)
WIDTH	1"	19.25'	12.83'	9.625'	7.7'
	2.54cm	(5.87m)	(3.91m)	(2.93m)	(2.35m)

## IMMERSION

MoistureBloc Flexible Joint Sealant can be immersed in the following chemicals. Care must be taken that coverage rates are as listed above and that there are no pinholes or voids in the sealant.

## CHEMICAL 30 DAYS RATING

10% Caustic (NaOH)	No Effect
25% Sodium Chloride	No Effect
Anti Freeze, Ethylene Glycol	No Effect
15% Muriatic Acid (HCl)	No Effect
Water	No Effect
Calcium Chloride	No Effect
Jet Fuel	No Effect

For chemicals not listed, contact Vexcon Chemicals.

## CONTACT US @

Additional product information, technical and customer services are available by contacting Vexcon Chemicals directly or our distributors.

- vexcon.com
- techservice@vexcon.com
- customerservice@vexcon.com
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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.