



**INSTALLATION INSTRUCTIONS FOR 5-GALLON BUCKETS OF
MAR-FLEX 5000™ (WATER-BASED)
EXTERIOR BELOW-GRADE COMMERCIAL
WATERPROOFING MEMBRANE
FOR BLOCK WALL**

Product:

The Mar-flex 5000™ WB Exterior Below-Grade Waterproofing Membrane fluid applied, single component, polymer-modified asphalt emulsion.

Uses

Mar-flex 5000 WB is recommended for new construction waterproofing of all below-grade basement walls of poured concrete or unit masonry construction¹.

Application Coverage:

Depending on porosity and roughness of surface, coverage rate should be approximately 100 ft.² per 5-gal. bucket.

Final application coat should be at a 75-mils wet membrane thickness when applying board or 50-mils wet. This will result in a minimum of a 60-mil dry thickness when applying board and a minimum of 40-mil dry with a membrane only application.

The wet mil thickness can be determined by using a standard wet mil gauge.

Shipping:

When shipping emulsion based products during the winter months, there is always a risk of the material freezing while in transport.

Storage:

The Mar-Flex 5000 WB like all asphalt emulsions, must be kept from freezing.

It is best to store product containers off the floor at an ambient temperature above 50 °F.

Opened buckets should be tightly sealed before storage to prevent a skim-coat from developing on the surface of the product.

General:

Do not apply 5000 WB when the air temperature is below 20° F. The best ambient temperature is 32° F.

Do not apply Mar-flex 5000 WB to wet or frozen surfaces. All walls must be clean and dry to touch.

Poured concrete walls must be set before applying Mar-flex 5000 WB.

Required Prep Work:

Ensure that footings are exposed and that they are free of loose materials or water. If needed, sweep the tops of footers and clear away any debris. Dry

footings prior to application with a weed burner or similar.

Remove below grade wall ties inside the basement and out. Patch all outside below grade wall ties with Mar-flex Mastic or similar.

Poured concrete walls must be free of voids and honeycombs. Any such areas, if present, should be covered with the Mar-flex Mastic or similar mastic.

Make sure all brick ledges are properly capped and sealed.

Make sure that all existing pipe, conduit or any other penetration through the wall are properly sealed on the outside with water plug, hydraulic cement or similar product.

If penetrations are to be added after the membrane application, it is still the applicators responsibility to ensure these areas are sealed. If this responsibility is passed onto the builder, inform the builder they are responsible and inform them of the proper procedure to seal these areas.

Application:

Mar-flex 5000 WB, in a bucket, should be applied with a brush, trowel or a roller.

If a thinner consistency is needed, apply a drum band heater to the buckets to warm.

Application should be made to all below-grade basement walls. This includes any wall that would be considered a common wall to habitable/storage areas. (Ex. garage wall, porch, etc.)

Prolonged heat can deteriorate product.

Optional Board/Roll Installation²

Any size of the Drain & Dry Boards™, the Shockwave™ Boards or the Geo-Mat Plus Drainage Roll should be installed immediately after membrane has been applied to each section of the wall with the Mar-flex 5000.

Build the Mar-flex 5000 membrane up to the required 75-mils wet, place the drainage roll or insulation board against the wall. Press firmly onto wall.

¹ See Block Installation Instructions

² For proper installation, see specific individual board/roll installation instructions



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Note: Please see the individual instruction sheet for the proper way to install the board or roll that you are using.

Backfilling/Drainage:

Backfilling should begin no sooner than 24 hours after the membrane or membrane and board application, but must be backfilled within 15 days.

Backfill material should be free of debris, organic material, boulders, rocks, concrete block debris or any other harmful material not considered suitable fill.

Foundation drainage must be installed and in proper working order.

Final grade must not extend above the waterproofing membrane or system.

Final grade must slope away from the foundation at a minimum of 1/2" per foot for the first 12' from the structure.

Product Only Warranty:

We warrant the Mar-flex 5000 Exterior Below-Grade Waterproofing Membrane to be of good quality and manufactured to meet published physical properties and quality control standards.

Except as specifically provided herein, Mar-Flex makes no warranty, express, implied or oral including but not limited to any warranty or merchantability, fitness for a particular purpose, usage of trade, course of dealing or course of performance in connection with this agreement. In no event shall mar-flex be liable on any such warranty with respect to the Mar-flex 5000 Exterior Below-Grade Waterproofing Membrane. Mar-flex shall not be liable for incidental or consequential damages including, but not limited to damages of the structure, its replacement, contents or personal injury. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

HEALTH AND SAFETY INFORMATION IS GIVEN IN THE SAFETY DATA SHEET AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.

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