



Exterior Below-Grade Residential Waterproofing Membrane

Basix Water-Base

Description

Basix WB Waterproofing is a seamless modified polymer waterproofing membrane. Basix WB offers the new homeowner an affordable entry level waterproofing. It also provides them with peace of mind that their biggest investment is protected and they will have a safe and dry living environment.

Uses

Basix WB is recommended for new construction waterproofing of all below-grade basement walls of poured concrete or unit masonry construction. Mar-flex Basix WB can be used as a spray only or as part of a system.

System Components

Mar-flex allows you to customize your waterproofing system by matching the right coating to the right board.

Optional Board/Roll Installation

For drainage plus R-value:
TopGun or Drain & Dry Board

For drainage with no R-value:
Geo-Mat™ Plus or ArmorDrain 110 or 150 Drainage Rolls

Equipment

Mar-flex provides spray equipment designed to spray the Basix WB membranes with optimum efficiency. See your sales representative for pricing. For maximum output of product, Mar-flex recommends the use of airless spray equipment with a Speeflo Hydra M 4000™ or the Speeflo PowrTwin™ 8900GH or equal when product is purchased in a 55-Gallon Drum or in Bulk. To ensure efficient flow of the material during spray applications, Mar-flex recommends using 125' of ½" high-pressure hose with insulation and abrasion sleeve from the pump connecting to a 25' of 3/8" high-pressure hose with insulation and abrasion sleeve. The 3/8" hose will connect to an airless spray gun, such as the Speeflo S5. The suggested spray tip for the Mar-Flex membrane is the Graco Heavy Duty (GHD) Reverse-A-Clean (RAC) 635.

Coverage

For the best performance and optimum usage of the Mar-Flex membranes, spray application is recommended. Depending on porosity and roughness of surface, coverage rate for spray application should be 3.2 to 4 gallons per 100 ft². Final application coat should be at a 75-mils wet membrane thickness when applying board/roll or 60-mils wet when performing a spray only application. This will result in a Board/roll required for certain warranties, see applicator for details For proper installation, see specific individual board/roll installation instructions minimum of a 50-mil dry thickness when applying board/roll and a

minimum of 40-mil dry with a spray only application. The wet mil thickness can be determined by using a standard wet mil gauge.

General Requirements

Do not apply the Basix WB membrane when the air temperature is below 20° F. Do not apply the Mar-Flex membranes to dirty, wet/damp or frozen surfaces. Walls must be set before applying Mar-Flex membranes. 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. 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 spray 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.

Required Prep Work

Remove below grade wall ties inside the basement and out. Patch all outside below grade wall ties with Mar-flex 362 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. All brick ledges must be properly capped and sealed.

Application Information

Temperatures – When using Basix WB the tank temperature should be no more than 80° – 100°F and the final spray temperature of the material should be 80° - 120°F. Thinning not recommended.

Spray Installation

Membrane application should be done a section of the wall at a time. Use multiple, uniform passes, alternating from horizontal to vertical. After spraying various sections of the wall, check for thin spots and voids in the spray application. Re-spray any areas as necessary to obtain the required mil thickness. 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.) Note: Please see the individual instruction sheet for the proper way to install the board or roll that you are using.



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Backfilling/Drainage

Backfilling should begin no sooner than 24 hours after the installation of the Mar-Flex Exterior Below-Grade Waterproofing System, but must be backfilled within 15 days. #57 Gravel or equivalent must be no less than 2' high at the base of the foundation and 1' in depth away from the foundation walls. Adequate interior and exterior foundation drainage at the base of the foundation walls or across any floors must be properly installed and working. Adequate drainage in landscaping beds adjacent to the foundation must be installed. Final grade must not extend above the waterproofing system. Final grade must slope away from the foundation at a minimum of 1/2" per foot for the first 12' from the structure. Gutters and downspouts must be installed and functioning properly.

Packaging

55-Gallon drums, 330-Gallon totes and 6,000 Gallon Bulk

Shelf Life

Six months

The Basix 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.

Limited Warranty

We warrant the Mar-Flex Exterior Below-Grade Waterproofing Membranes 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 Exterior Below-Grade Waterproofing Membranes. 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.

Basix Water Base Spec Sheet

Property	Method	Results
Color		Black
Total Solids		50-60%
Application Method		Spray
Application Range		20° F to 130° F
Elongation @ 70° F (21°C)	(ASTM D-412 Die C)	850%
Crack Bridging Ability	(ASTM C-836)	10 cycles; without bond failure
Resistance to Hydrostatic Head Pressure	(Federal Spec TT-C-555B, Par 4.4.7)	No Water Infiltration
Total Cure Time		24 hrs.
Weight/Gallon		7.5 lbs.
Coverage Rate		3.2-5.0 gal/100 ft ²
Tensile Strength	(ASTM-C-719)	32 psi min.
Water Vapor Permeance	(ASTM E-96)	0.29 perm (grains/sq. ft/h)
Mold Growth/Bacterial Attack		No Degradation
Membrane/Board		50 mil dry thickness
Membrane Only		40 mil dry thickness
Adhesion to Concrete		No Adhesion Loss

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