



# Fusion™ UV Water-Based Above and Below-Grade Exterior/Interior Waterproofing Membrane

## PRODUCT DESCRIPTION:

The Fusion UV Water-Based Waterproofing Membrane is a highly elastic water-based thermoplastic exterior/interior waterproof membrane.

## PURPOSE:

Fusion UV Water-Based Waterproofing Membrane is a waterproof membrane for above and below grade exterior/interior concrete and masonry surfaces.

Fusion UV Water-Based Waterproofing Membrane can be used as a spray only or as part of a system, when applied below-grade.

## BELOW-GRADE SYSTEM COMPONENTS:

A system is comprised of the membrane and one of the Mar-flex Residential Drainage Products. NOTE: No drainage product is required when used above-grade.

## ADVANTAGES:

- UV resistant
- Excellent color stability
- Excellent weatherability and flexibility
- Durable against salt spray and acid rain
- Can also be used on cinder block, stucco, steel, wood and galvanized metal

## LEEDS DATA:

Fusion UV WB is considered a GREEN product and can be used toward LEEDS building credits.

## SPECIFICATIONS:

- Color – Gray
- Shelf Life – 1 yr. (unopened)
- Initial Dry Time – 4-6 hrs.
- Weight Per Gallon – 9.3 lbs.
- Permeability – 0.01 perm
- Solids by Weight – 50%
- Solids by Volume – 40%
- Hardness Shore A – 65
- Elongation – 300%
- Tensile Strength – 350 psi
- Vapor Transmission – 0.25
- Water Absorption (7 days) – 0.4%
- Can be applied using a roller or spray equipment

## PACKAGING:

5-Gallon Buckets or 55-Gallon Drums

## APPROXIMATE USAGE:

Usage will vary depending on the porosity and roughness of the surface.

## EQUIPMENT:

Use of a 3300 psi airless sprayer with a 727 spray tip is recommended.

## CURE TIME:

Per Coat - Full Cure is 24 hours

## REQUIRED PREP<sup>1</sup>:

Read and carefully follow the instructions contained on this Product Data Sheet.

For best results Fusion UV Water-Based Waterproofing Membrane should be spray applied to sound, clean, dry, smooth surfaces. Surface defects such as cracks, holes or cavities should be filled and finished flush with Hydraulic Cement or Portland Cement. Voids in surfaces

are to be filled to create a smooth, slightly porous surface. Concrete should be cleaned to remove form release agents, dirt, mud, debris, dust, laitance, etc. that interferes with the adhesion. Footings should be scraped and cleared of cement, dirt and debris.

New concrete should be allowed to set until all of the free water is evaporated off of the surface. Surface should be free of water, frost or ice. Existing concrete surfaces must be thoroughly cleaned and degreased prior to application. All previous membranes must be removed.

Make sure that all pipes, conduits or any other penetrations through the wall are properly sealed on the outside with water plug, hydraulic cement or similar product. If penetrations are added after the spray application, it is the responsibility of the builder to ensure these areas are sealed to prevent leakage.

## BELOW-GRADE POURED WALL APPLICATION<sup>2</sup>:

### Spray or Roll:

Fusion UV Water-Based Waterproofing Membrane should be applied at a rate of 30 square feet per gal.

Coating should be sprayed to achieve a continuous membrane at the required 40-mil dry thickness.

Check for thin spots and voids in the spray application. Re-spray any areas as necessary to obtain proper mil thickness.

Termination of below-grade application should be at grade level.

## DRAINAGE BOARD APPLICATION:

For drainage plus R-value use any size of the Drain and Dry or Shockwave™ board.

For more drainage flow with no R-value use the Geo-Mat Plus™ or the Type 1 or II™ roll.

NOTE: Refer to the product installation sheet for the particular board being installed.

## BACKFILLING:

Backfilling should begin no sooner than 24 hours after the membrane application or backfill immediately when applying a drainage product as part of a system.

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

## ABOVE-GRADE POURED WALL APPLICATION<sup>3</sup>:

### Spray or Roll:

Fusion UV Water-Based Waterproofing Membrane should be applied at a rate of 30 square feet per gallon.

Coating should be sprayed to achieve a continuous membrane at the required 40-mil dry thickness.

Check for thin spots and voids in the spray application. Re-spray any areas as necessary to obtain proper mil thickness.

Cover and protect any areas where product is not desired.

<sup>2</sup> See Block Installation Instructions

<sup>3</sup> See Block Installation Instructions

<sup>1</sup> All prep work is required to qualify for warranty coverage.



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### **CLEAN UP:**

Use Mar-Flex's Orange 90 cleaner or xylol. It is best to remove material from equipment before set up. If allowed to dry in equipment, material will be difficult to remove.

### **PRODUCT HANDLING/STORAGE:**

- Do not thin
- Do not use near open flame
- Avoid breathing solvent fumes
- Avoid prolonged contact with skin

### **WARNING/DANGER:**

- Use with adequate ventilation
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT INDUCE VOMITING
- Dispose of in an environmentally safe way

### **PRODUCT ONLY WARRANTY:**

We warrant the product 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 product. 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 MATERIAL SAFETY DATA SHEET AVAILABLE FOR THIS PRODUCT. THE MATERIAL SAFETY DATA SHEET SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.**

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