



*Interior / Exterior Residential Waterproofing Membrane*

## **Fusion UV Water-based**

### **Description**

The Fusion UV Water-Based Waterproofing Membrane that can be applied to any poured foundation wall. Its 100% Virgin Polymer formulation sprays easily, producing a flexible, seamless seal that resists freeze-thaw cycles.

### **Uses**

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.

### **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.

### **Optional Board/Roll Installation**

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 ArmorDrain 110 or 150 roll. NOTE: Refer to the product installation sheet for the particular board being installed.

### **Equipment**

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

### **Coverage**

Coverage Rate: 30 sq ft/gal

### **General Requirements**

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

***Mixing/agitation may be required due to product settling.***

### **Required Prep Work**

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.

### **Spray Installation**

**BELOW GRADE** - 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. Recommended application temperature 50° F and above.

**ABOVE GRADE** - 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.

### **Backfilling/Drainage**

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.

### **Packaging**

5-Gallon Buckets or 55-Gallon Drums

### **Shelf Life**

One Year -- Unopened

### **Limited 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



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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 SAFETY DATA SHEET (SDS) AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.**

**Fusion UV Water Base Spec Sheet**

Property	Method	Results
Color		Gray
Total Solids		59%
Application Method		Spray, Brush, Roller
Application Range		50° to 130° F
Elongation @ 70° F (21°C)	(ASTM D-412 Die C)	1800%
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)	Water Leaks: None Weight Gain: None
Total Cure Time		24-48 hrs.
Weight/Gallon		8.8 lbs.
Coverage Rate		40 sq ft/gal
Tensile Strength	(ASTM-C-719)	350 psi min.
Water Vapor Permeance	(ASTM E-96)	Transmission: 0.11 grains/sf/h Permeability: 0.13 perms
Mold Growth/Bacterial Attack		No Degradation
Membrane/Board		60 mil dry thickness
Membrane Only		40 mil dry thickness
Adhesion to Concrete		No Adhesion Loss

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