



## COMMERCIAL GRADE WATERPROOFING MEMBRANES

### **Product:**

ProVention 363 Solvent-Based Waterproofing Membrane is a tested and proven membrane for commercial applications.

### **Uses:**

ProVention 363 is ideal vertical commercial wall application. In addition, it can be used in horizontal applications such as parking garages, bridge decks and plaza decking.

### **System Components<sup>1</sup>:**

For vertical application use the ProVention 363 Waterproofing System and one of the specified Mar-flex Insulation/Drainage Boards or Drainage Rolls (Type II, Geo-Mat Plus or Shockwave).

For horizontal application use the ProVention 363 membrane along with the Type III™ Drainage Roll.

### **Equipment:**

Mar-flex provides spray equipment designed to spray the Mar-flex membranes with optimum efficiency. See your sales representative for pricing.

For maximum output of the product, Mar-flex recommends the use of airless spray equipment.

A pressure of 3000 psi is required to spray the membrane.

### **Coverage:**

Depending on porosity and roughness of surface, coverage rate for spray application should 4.0 – 6.6 gallons per 100 ft<sup>2</sup>.

Final application milage should be as follows depending on the depth of the walls:

In a 10' wall application, final application coat should be at a 100-mil wet membrane thickness. This will result in a minimum of an 80-mil dry thickness.

In a 20' wall application, final application coat should be at a 120-mil wet membrane thickness. This will result in a minimum of a 100-mil dry thickness.

In a 30' wall application, final application coat should be at a 140-mil wet membrane thickness. This will result in a minimum of a 120-mil dry thickness.

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

### **General requirements:**

Approved heated tanks, if used, should be vented in accordance with the tank manufacturer's specifications and instructions.

Avoid application when inclement weather is present or imminent.

Do not apply the ProVention S.B. membrane when the air temperature is below 0° F.

Ensure that footings are exposed and free of any debris, loose material, wet/damp or frozen areas. If needed, sweep the tops of footers to clear away debris and dry footings/walls with a weed burner or similar.

<sup>1</sup> Board/roll required for any product warranty, see applicator for details

Walls must be set before applying the ProVention membranes.

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<sup>2</sup>:**

Remove below grade wall ties inside the basement and out. Patch all outside below grade wall ties with the 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 the ProVention S.B. membrane the tank temperature should be 80 – 100°F and the final spray temperature of the material 140 - 170°F.

#### **Spray Installation -**

Membrane application should be done a section of the wall at a time. Use multiple, uniform passes, alternating from horizontal to vertical.

As work progresses check for thin spots and voids in the spray application. Re-spray any areas as necessary to obtain the required mil thickness. Determine the wet mil thickness by using a standard wet mil gauge.

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.

#### **Board Application<sup>3</sup>:**

The Type I DrainCore or Geo-Mat™ Plus Drainage Roll, or the ShockWave Drainage/Insulation Board should be installed after spraying each section of the wall with the ProVention membrane.

After building the membrane up to the required mil thickness<sup>4</sup>, place the drainage board against the sprayed wall. Press firmly onto wall.

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 installation of the ProVention 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.

<sup>2</sup> All prep work is required to qualify for warranty coverage

<sup>3</sup> Board/roll required for warranty coverage, see applicator for details

<sup>4</sup> Reference Spray Application Coverage Section



Adequate interior and exterior foundation drainage at the base of the foundation walls or across any floors must be properly installed and working. Gutters and downspouts must be installed and functioning properly.

Adequate drainage in landscaping beds adjacent to the foundation must be installed.

Final grade must not extend above the waterproofing system and must slope away from the foundation at a minimum of ½" per foot for the first 12' from the structure.

Note: On vertical wall applications, Mar-flex recommends the installation of the Drain-A-Way 12" at the footer and at every 10' lift. This finishes the job and allows relief of hydrostatic pressure and helps assure water does not infiltrate through below-grade walls.

**Limited Product Warranty:**<sup>5</sup>  
**Commercial – New Construction Only**<sup>6</sup>  
See applicator for availability

**Product Only Warranty:**  
The information herein is the best available relating to ProVention and the recommendations contained herein are based on tests believed to be reliable.

Mar-flex Waterproofing & Building Products warrants the product to be of good quality and manufactured to meet published physical properties and quality control standards and will replace or refund the purchase price of this product if proved defective within one year of date of application. This warranty does not apply if there is no working drainage system.

Except as specifically provided herein, Mar-flex Waterproofing & Building Products 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 ProVention. 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 AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.**

Mar-flex Waterproofing and Building Products  
6866 Chrisman Lane, Middletown, OH 45042  
(800) 498-1411 | (513) 422-7285 | Fax – (513) 422-7282  
E-mail: [info@mar-flex.com](mailto:info@mar-flex.com) | [www.mar-flex.com](http://www.mar-flex.com)

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<sup>5</sup> See applicator for availability  
<sup>6</sup> Bid submittal to Mar-flex required prior to application for warranty coverage.