



ProVention 363™ Water-based Commercial Grade Waterproofing Membrane

Product:

ProVention 363 Water-based Commercial Grade Waterproofing Membrane is a tested and proven membrane for commercial applications.

ProVention 363 W.B. Waterproofing Membrane is available in 5-Gallon Buckets and 55-Gallon Drums.

Uses:

ProVention 363 W.B. membrane is ideal for new construction waterproofing of below-grade commercial walls of poured concrete.

In addition, it can be used in horizontal applications such as parking garages, bridge decks, and plaza decking as well as retaining wall applications.

Leeds Data:

ProVention 363 Water-based membrane is considered a GREEN product and can be used toward LEEDS building credits.

Equipment:

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

For maximum output of the product, Marflex recommends the use of airless spray equipment.

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

Note: If purchasing in a 5-Gallon Bucket the use of a brush, trowel or roller is recommended.

Coverage - Vertical:

Depending on porosity and roughness of surface, coverage rate for spray application should 3.2 - 4 gallons per 100 ft².

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:

At the job site ground truck, barrels and all spray equipment to the ground.

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 363 W.B. membrane when the air temperature is below 20° 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.

Walls must be set before applying the ProVention 363 W.B. membrane.

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.

Application Information:

Temperatures -

When using the ProVention 363 W.B. membrane the tank temperature should be no more than 70°F and the final spray temperature of the material 100 - 120°F.

CAUTION: Prolonged heat can deteriorate water-based products inside the spray tank.

NOTE: When transporting water-based material from site to site or when idling on a job-site, the heat exchanger must remain off and there should be no other type of heat source to the tanks.

When using the 5-Gallon Buckets, if a thinner consistency is required, a bucket band heater can be used to warm the material.

Vertical Prep/Application¹:

Remove below grade wall ties inside the basement and out. Patch all outside below grade wall ties as well as any void and/or honeycombs with the Marflex 362 Mastic or similar.

All brick ledges must be properly capped and sealed.

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.

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.

After building the membrane up to the required mil thickness², place the recommended drainage board/roll 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.

¹ All prep work is required to qualify for warranty coverage

² Reference Spray Application Coverage Section



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Optional Board Application³:

It is recommended that one of the following boards/rolls be applied after the application of the ProVention 363 W.B. when performing vertical applications.

1-3/16th or 2-3/8th Drain & Dry Board™, Shockwave 1 or 2, 1-3/8" or 2-3/4" QuickSilver or the Geo-Mat™ Plus Drainage Roll should be installed immediately after spraying each section of the wall with the ProVention 363 membrane.

Horizontal Prep/Application:

Horizontal surface should be dry and swept free of any loose debris and/or dust.

Apply the ProVention 363 by spraying, brushing or rolling to the surface at a minimum of a 100 mil dry thickness. Allow to cure for approximately 3-4 hours. Membrane will not be fully cured which allows for adhesion of the Type III roll.

Unroll Type III placing gray side down. Unroll the next section placing the roll directly up against the end of the preceding roll.

Join roll ends by peeling back the fabric and removing 4" of core. NOTE: All core joints must be covered by fabric overlay. Place end panels so that cores abut, then glue, tape or nail fabric overlap.

Make cuts for any drains to allow water to be drained.

Allow 24 hour set time before traffic is allowed.

After completing installation of the Type III, allow for a minimum of 24 hours set time and then pour desired thickness of concrete over the Type III.

Note: It is recommended to use 12" DrainAway to remove the water that is drained through the Type III.

Backfilling/Drainage:

Backfilling should begin no sooner than 24 hours after the installation of the ProVention 363 W.B. 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. 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 1/2" 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.

Product Only Warranty:

The information herein is the best available relating to ProVention 363 W.B. and the recommendations contained herein are based on tests believed to be reliable.

Marflex Building Solutions 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, Marflex Building Solutions 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 Marflex be liable on any such warranty with respect to the ProVention 363 W.B. membrane. Marflex 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.

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