



DampFUSION Dampproofing Membrane

Product:

DampFUSION is an excellent acrylic dampproofing membrane.

Uses

DampFUSION is a fluid applied dampproofing for the exterior of below -grade masonry, block, pre-cast and poured concrete foundation walls. It is designed to stop water vapor and help protect against leaks.

Benefits:

- Water-based; no odor
- Stops water vapor transmission
- Can be applied to damp walls
- Seamless, monolithic coating
- Gray in color; blends in with concrete
- Can be applied to top of foundation walls

Limitations: Can not be applied when ambient temperatures are expected or are below 41°F. Can not be applied to wet or frozen walls. Product must be store indoors at temperatures above 32°F. KEEP OUT OF REACH OF CHILDREN. Opened drums should be tightly sealed before storage to prevent a skim-coat from developing on the surface of the liquid.

Technical:

Surface cures within 12-24 hours.

Do not dilute.

Available sizes are 5 gallon buckets and 55 gallon drums.

Preparatory Work:

Remove below grade wall ties inside the basement and out.

Poured concrete walls must be free of voids and honeycombs. Any such areas, if present, should be covered with the 1200 Mastic.

All brick ledges must be properly capped and sealed.

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.

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.

Installation - Spray

Use an airless sprayer with a pump pressure setting between 800 and 1800 psi and a 727 or 731 Heavy Duty Tip.

First apply a layer of membrane where the footing and wall intersect. The surface should be coated to a wet mil thickness of 10. The minimum dry thickness will be approximately 7 mils.

Next spray the membrane onto a small 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. (Ex. garage wall, porch, etc.)

Application can also be made all the way to the top of the wall avoiding any confusion with grade line.

Backfilling/Drainage:

Backfilling should begin no sooner than 24 hours after the installation of the DampFUSION, 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 membrane and must slope away from the foundation at a minimum of 1/2" per foot for the first 12' from the structure.

Typical Physical Properties:

	Water-based
Color	Gray
Total Solids	55 - 57%
Density	7.6 lbs.
Shelf Life	6 months
Application Method	Spray
Application Temp (Ambient)	40° to 100°F
Film Thickness	7 mils (wet) = 10 mils (dry)
Total Cure Time	24 hrs.
Adhesion to Concrete	No Adhesion Loss
Low Temp Flexibility	-15°F
Crack Bridging Ability	10 cycles without bond failure
Water Vapor Permeance (40 mil dry coating)	0.13 perm (grains/ft ² /h)
Liquid Water Absorption	1.0 oz Absorption/No Leaks
Mold Growth/Bacterial Attack	No Degradation
Resistance to Hydrostatic Pressure Head	No Water Infiltration
Coverage Rate	115-125 ft ² /gal
Tensile Strength	150 psi min.

Availability:

DampFUSION is available across the United States and throughout Canada from dealers. Contact Marflex Customer Service for the closest Dealer/Applicator. Current price lists



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available from Dealers/Applicators along with standard conditions of sale.

Shipping Water-Based Product:

When shipping water-based products during the winter months, there is always a risk of the material freezing while in transport.

Storage of Water-Based Product:

The DampFUSION must be kept from freezing.

It is best to store product containers off the floor at an ambient temperature at 40°F and above.

Opened drums should be tightly sealed before storage to prevent a skim-coat from developing on the surface of the liquid.

Product Only Warranty:

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

Marflex Building Solutions warrants the DampFUSION 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 DampFUSION. 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.

Maintenance:

Membrane can be re-applied when the wall requires additional protection.

Technical Services:

Technical support is available from Marflex Building Solutions. Toll free: 1-800-498-1411 or Tel: (513) 422-7285

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 Building Solutions
6866 Chrisman Lane, Middletown, OH 45042
(800) 498-1411 | (513) 422-7285 | Fax (513) 422-7282
E-mail: technicalsupport@mar-flex.com
Web-site : www.MarflexBuildingSolutions.com