



*Interior / Exterior Residential Waterproofing Membrane*

# LiteFusion Waterproofing

## Description

LiteFusion is an economical water-based acrylic waterproofing membrane for use when hydrostatic pressure exists. It has the ability to bridge cracks that might later develop in a foundation, and can protect from the dangers of moisture, which cause mold and mildew.

## Uses

Mar-flex LiteFusion is specifically designed for waterproofing ICF precast, poured and masonry foundation walls. Mar-flex LiteFusion is a spray-on membrane, so it dries as a seamless, monolithic coating. Can also be used as an interior masonry wall coating, but does not offer waterproofing properties from negative water pressure. LiteFusion is compatible with Mar-flex drainage and insulation boards and rolls.

## Equipment

LiteFusion WB, in a bucket, can be applied with a brush, trowel or a roller.

## Coverage

50 sq ft/Gal

## General Requirements

Do not apply when ambient temperatures are expected to be or are below 50°F. Cannot be applied to wet or frozen walls. Products must be stored 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.

## Required Prep 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 Mar-flex 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 the 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 Mar-flex 1200 Mastic. 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 procedures to seal these areas. Make sure surfaces to be sealed are cured, smooth, dry, unfrozen and free of dirt, dust, loose debris, curing agents, release agents, oil and grease. On concrete walls fill voids, honeycombs and tie holes with non-shrinking grout or

mastic. Gaps in ICF should be filled with grout or spray insulating foam. Remove fins, ridges, ties and splatters. Cracks in concrete joints greater than 1/16" across are to be filled with non-shrinking grout or mastic prior to application

## Spray Installation

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 the wall

intersect. The surface should be coated to a wet mil thickness of 30. The minimum dry thickness will be approximately 17

mils. Using multiple, uniform passes, alternating from horizontal to vertical spray small sections of the wall. 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.

## Backfilling/Drainage

Backfilling should begin no sooner than 24 hours after the installation of the LiteFusion 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.

## Packaging

LiteFusion is available for purchase in 5-gallon buckets and 55-gallon drums.

## Shelf Life

One Year -- Unopened

## Limited Warranty

Mar-flex Waterproofing Products warrants the LiteFusion 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 Products, makes no warranty, express, implied or oral including but not limited to any warranty or



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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 LiteFusion. 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 AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.**

LiteFusion Waterproofing Spec Sheet		
Property		Results
Color		Gray
Total Solids		50-55%
Application Method		Spray, Brush, Roller
Application Range		50° to 100°F
Total Cure Time		24-48 hrs.
Weight/Gallon		10 lbs.
Coverage Rate		50 ft <sup>2</sup> /gal