



Fusion ä

Below-Grade Exterior Waterproofing Membranes 100% Virgin Polymer

Product Description

Fusion Waterproofing Membranes are 100% virgin-polymer. Their permanent elasticity allows for movement with the expansion and contraction of the wall surfaces. Fusion membranes will not evaporate or lose their flexibility and resist freeze-thaw cycles. Fusion membrane outlasts conventional dampproofing methods. Fusion is available in both solvent-based and water-based¹.

Uses

Fusion membranes are recommended for new construction waterproofing of below-grade basement walls of poured concrete². When used for below grade waterproofing they can be used as a spray only or as part of a waterproofing system.

Fusion membranes can also be used for brick flashing when applied to a concrete wall with a vertical ledge or as an exterior above grade air/vapor barrier for cavity walls.

Code Compliance

ICC Evaluation Service, Inc. (ICC-ES) has issued evaluation report NER-658 on the Fusion Waterproofing Membrane. ICC-ES finds that, subject to the conditions set forth in NER-658, the membrane complies with the 2000 *International Building Code*, or is a suitable alternative to what is specified in the code.

Two System Components

Mar-flex allows you to customize your waterproofing system by matching the right coating to the right board.

For drainage plus R-value:

Drain & Dry™, QuickSilver or Shockwave by Mar-flex™.

For more drainage flow with no R-value:

Geo-Mat™ Plus

Limited Residential Warranty^{3 4 5}

When you build using Fusion you receive one of the best warranties in the industry.

Choose from the Economy or the Premium level below. Anyway you go Mar-flex backs every level with the best warranty in the business.

LEVEL	MEMBRANE combined with BOARD gives you WARRANTY		
Economy	Fusion	None	15 Years
Premium	Fusion	Geo-Mat Plus Drain & Dry Shockwave QuickSilver	Limited Lifetime

PRODUCT DATA

Division 7

07140 Fluid Applied Waterproofing

¹ See Water-Based Installation Instructions

² See Poured Wall Installation Instructions

³ New Construction Only

⁴ See Applicator For Availability

⁵ For Poured Walls Only



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100% Virgin Polymer

Fusionä Membrane Properties⁶

	Solvent-based	Water-based ⁷
Color	Gray	Gray
Total Solids	58%	55 - 57%
Density	7.6 lbs.	7.6 lbs.
Shelf Life	-	6 months
Application Method	Spray	Spray
Application Temp (Ambient)	15° to 150°F	0° to 130°F
Film Thickness	60 mil (dry)	60 mil (dry)
Total Cure Time	24 hrs.	24 hrs.
Adhesion to Concrete	No Adhesion Loss	No Adhesion Loss
Elongation @ 70°F	1800%	1500%
Low Temp Flexibility	-15°F	-15°F
Crack Bridging Ability	10 cycles without bond failure	10 cycles without bond failure
Water Vapor Permeance (40 mil dry coating)	0.13 perm (grains/sq.ft./h)	0.13 perm (grains/sq.ft./h)
Liquid Water Absorption	1.0 oz Absorption/No Leaks	1.0 oz Absorption/No Leaks
Mold Growth/Bacterial Attack	No Degradation	No Degradation
Resistance to Hydrostatic Pressure Head	No Water Infiltration	No Water Infiltration
Coverage Rate	5 gal./100 ft. ²	5 gal./100 ft. ²
Tensile Strength	32 p.s.i. min.	150 p.s.i. min.

HEALTH AND SAFETY INFORMATION IS GIVEN IN THE MATERIAL SAFETY DATA SHEET AVAILABLE FOR THIS PRODUCT. THE MATERIAL SAFETY DATA SHEET SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.

MANUFACTURED BY:

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⁶ ASTM Methods Available Upon Request
⁷ Third party testing pending