



# JM EPDM Nonreinforced Roofing Membranes:

45 FR     60 FR     90 FR

## Description

JM Nonreinforced EPDM Roofing Membranes are 45, 60 or 90 mil (1.14, 1.52 or 2.87 mm) thick, cured EPDM (ethylene propylene diene monomer) sheets. The polymer allows the membrane to become rubber-like, allowing it to respond to stress and recover its original shape. The EPDM formulation offers superior ozone and weather resistance and the sheet remains elastic through wide temperature ranges. The durability and strength of EPDM make it an excellent solution for your roofing needs.

## Use

Use as a single ply membrane in certain ballasted and fully adhered roofing systems or as a flashing material as outlined in JM EPDM flashing specifications.

## Color

Black

## Standard Sizes

Thickness	Widths	Lengths
45 FR	10' (3.05 m)	50', 100' (15.24 m, 30.48 m)
	20' (6.1 m)	100' (30.48 m)
	30' (9.14 m)	100' (30.48 m)
	40' (12.19 m)	100' (30.48 m)
60 FR	10' (3.05 m)	50', 100' (15.24 m, 30.48 m)
	15' (4.57 m)*	100' (30.48 m)*
	20' (6.1 m)	50', 100' (15.24 m, 30.48 m)
	30' (9.14 m)	100' (30.48 m)
90 FR	10' (3.05 m)	100' (30.48 m)

\* Full width, no fold membrane

## Approvals

JM EPDM Roof Systems are classified by UL® (Underwriters Laboratories Inc.) and FM Global® (Factory Mutual).

## Application

Refer to JM EPDM Applicator Guides or Detail Drawings for instructions.

## Storage

Keep clean and dry prior to application.

## Precautions

**Do not install in direct contact with asphalt or coal tar pitch.**

**Refer to the Material Safety Data Sheet prior to using JM EPDM Nonreinforced Roofing Membranes. Material Safety Data Sheet is available by calling (800) 922-5922 or on the Web at [www.jm.com/roofing](http://www.jm.com/roofing).**

**JM EPDM membranes meet or exceed all the requirements of ASTM D 4637, Type I.**

## Typical Physical Properties

Property	Test	Standards Minimum	Property	Test	Standards Minimum
Thickness, min			Brittleness Point, max, °C (°F)	D-2137	-45 (-49)
Sheet - overall	D-751	0.040" (1.02 mm)	Ozone Resistance, no cracks	D-1149	Pass
Tensile Strength, min, psi (MPa)	D-412	1305 (9.0)	Heat Aging:	D-573	
Dynamic Puncture Resistance	D-5635	Pass	Tensile Strength, min, psi (MPa)	D-412	1205 (8.3)
Static Puncture Resistance	D-5602	Pass	Elongation, ultimate, min, %	D-412	200
Elongation, ultimate, min, %	D-751	300	Tear Resistance, min, lbf/in. (kN/m)	D-624	125 (21.9)
Tensile Set, max, %	D-412	10	Linear Dimension Change, max, %	D-751	± 1
Tear Resistance, min, lbf/in. (kN/m)	D-624	150 (26.27)	Water Absorption, max, mass %	D-471	+8/-2
			Weather Resistance:	G-151,	
			Visual Inspection	G-155	Pass
			PRFSE, min, %		30
			Elongation, ultimate, min, %		200