



# JM EPDM SYSTEMS

SINGLE PLY ROOFING



# EPDM FROM JM

**JOHNS MANVILLE BEGAN SELLING AND MARKETING EPDM IN 1982 AND HAS SINCE BECOME A PROVEN, DEPENDABLE LEADER AND PROVIDER OF EPDM (ETHYLENE-PROPYLENE-DIENE MONOMER) COMMERCIAL ROOFING MEMBRANES AND ACCESSORIES.**

Here at Johns Manville, we never stop responding to our customers' growing and changing needs. We take great pride in developing a full portfolio of single ply and bituminous system solutions to help you find exactly what you need. These solutions include thermal insulations, cover boards, adhesives, cements and roof coatings—all backed by one of the most respected guarantees in the industry, the JM Peak Advantage® Guarantee.

In 2012, our commitment to the EPDM market expanded when we built our EPDM facility in Milan, Ohio. There, we gathered the finest raw materials on the market so our leading engineers and scientists could produce the JM EPDM formulation.

**SOMETHING GREAT'S ABOUT TO GO DOWN.**

## JM EPDM gives you valuable advantages:

- › Thicker, cleaner, smoother sheets
- › High flexibility and stability
- › High resistance to UV degradation
- › Puncture resistance
- › Full line of low-VOC products
- › One-sided application with water-based adhesive



### CONFIDENCE IN A SINGLE PLY SYSTEM.

Expect the JM EPDM membrane to respond well to stress and return to its original shape, thanks to the EPDM polymer. Through a wide range of temperatures and conditions, this thermoset becomes a prime solution for your single ply roofing needs.

- › Pliable and durable
- › Strong
- › Ozone-resistant

### EXTRUSION OR CALENDER TECHNOLOGIES?

Through tests and assessments, we've determined that extruded sheets carry more advantages over the calender process that has historically been used by other EPDM manufacturers.

- › Reduction in air entrapment
- › Appearance and quality of sheet are not impacted by temperature and humidity
- › JM offers a fully extruded, high-quality sheet for 100 percent of its EPDM membrane production

### SERVICE EVERY STEP OF THE WAY.

We have provided experience, expertise and dependable service for over 150 years.

- › Our technical support team offers on-site consultation and answers your roof-related questions
- › Our specifier services team promotes the best solution for certain climate conditions, provides the right guide language and reviews plans thoroughly
- › Our sales and customer support teams provide accurate information and facilitate shipments by working closely with sales reps



# ADVANTAGES OF JM EPDM.

## THICKER

Our sheets are made with more uniform surface finishes and deliver longer life cycles. They are much closer to a true 60-mil ASTM tolerance (ASTM allows +/- 10 percent variation in sheet thickness).

## CLEANER

Our sheets take less labor to install.

## SMOOTHER

Our extrusion technology eliminates defects such as pockmarks, which results in a consistently smooth membrane surface.

## OUR COMMITMENT TO THE EPDM MARKET BEGINS IN MILAN, OHIO.

When the plant opened in 2012, it became one of the world's most technically advanced. As the demand for more comprehensive total system solutions rises, we remain invested and dedicated.

## ADVANTAGES OF BLACK EPDM OVER WHITE ROOFS.

Black EPDM roofs can help minimize energy consumption and costs for building owners in regions with more heating than cooling days.

## SUPERIOR ADHESIVES.

With the rise in environmental awareness and VOC regulations, we responded by creating a water-based, one-sided, wet-lay-in adhesive, the only one in the market.

The JM Membrane Bonding Adhesive is for EPDM and TPO membranes and helps reduce storage space by having a single option. The JM LVOC Membrane Adhesive for EPDM and TPO is another option for easier handling and spreadability.

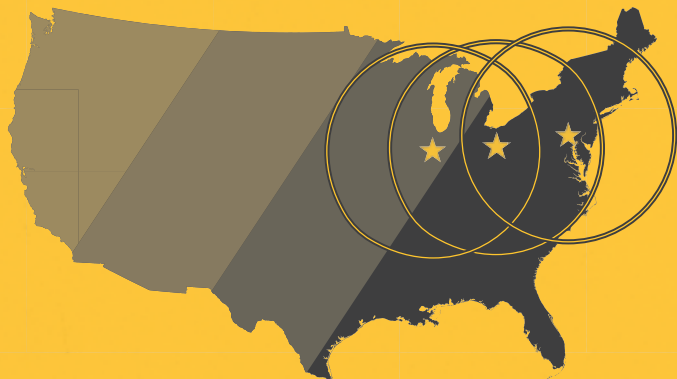
## EASY TO INSTALL. EASY TO RE-COVER ROOFS.

EPDM is a very flexible membrane, in part due to the different-width sheets. JM EPDM can be installed in a variety of ways—adhered, ballasted and mechanically fastened. It also makes an excellent re-cover choice, especially when combined with a new layer of JM insulation or Invinsa® cover board.



# 200 MILLION FT<sup>2</sup>

OF HIGH-QUALITY EPDM FROM JM, INSTALLED NATIONWIDE



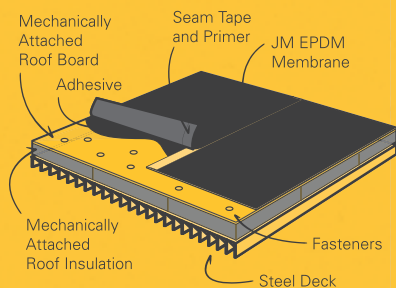
We've placed distribution and manufacturing facilities within a 500-mile radius of 85% of our EPDM market, helping us fulfill orders quicker. These facilities can be found in Rockdale, Illinois; Milan, Ohio; and Hazle Township, Pennsylvania.



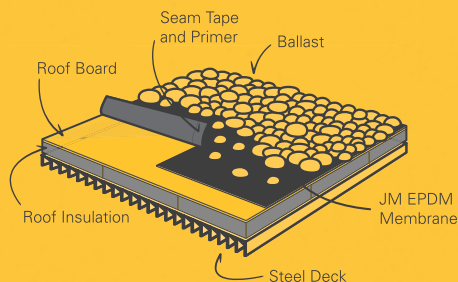
On cold days when primer flash times can be unpredictable, JM FIT Systems eliminate the need for primer and ensure a faster install.

## ANATOMY OF AN EPDM SYSTEM

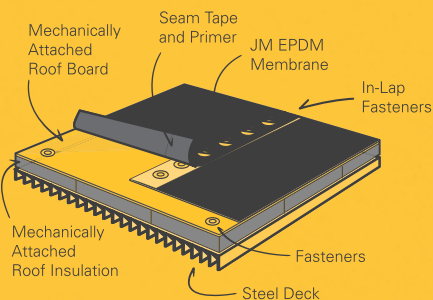
### JM EPDM ADHERED SYSTEM



### JM EPDM BALLASTED SYSTEM



### JM EPDM MECHANICALLY ATTACHED SYSTEM



## TEST RESULTS:

WATER-BASED  
ADHESIVE  
PEEL STRENGTH  
(30 DAYS AT 160°F)

lb/f/in<sup>2</sup> 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

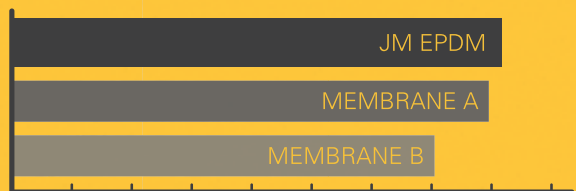
### JM EPDM WATER-BASED ADHESIVE



## TEST RESULTS:

EPDM  
TENSILE  
STRENGTH

PSI 0 200 400 600 800 1,000 1,200 1,400 1,600 1,800

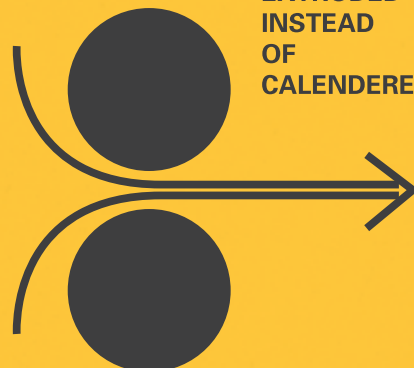


## EXCELLENT OZONE RESISTANCE.

JM EPDM polymer and carbon black absorbs UV rays, making these among the most ozone-resistant sheets found anywhere.



EXTRUDED  
INSTEAD  
OF  
CALENDERED





# FIND THE MEMBRANE THICKNESS AND ROLL SIZE THAT ARE RIGHT FOR YOU.

## WE MEET APPLICATION STANDARDS.

We offer UL® Class A fire ratings along with FM Global® wind uplift ratings of up to 1-375 over concrete and 1-255 over steel on our systems. Our commitment to testing and retesting ensures that we meet codes regularly.

## OVER 150 YEARS OF EXPERIENCE.

Throughout our history, we have offered companies like yours ever-expanding product solutions to best fit your specific roofing needs. Our pursuit of new solutions has led to many innovations, and we now offer you the industry's most complete portfolio of commercial roofing systems.

Knowing all your solutions come from one manufacturer means you know that we will always have you fully covered.

## QUESTIONS?

If you have questions about JM EPDM or any other JM products, please feel free to visit [JM.com/roofing](http://JM.com/roofing) or call (800) 922-5922.

	ROLL SIZE	MATERIAL ID	WEIGHT	COVERAGE
<b>EPDM MEMBRANE</b>				
JM EPDM NR 45 MIL	10' x 50'	90017403	155 lb./roll	500 ft²
	10' x 100'	90017400	310 lb./roll	1,000 ft²
	20' x 50'	90017405	310 lb./roll	1,000 ft²
	20' x 100'	90017404	620 lb./roll	2,000 ft²
	30' x 100'	90017406	930 lb./roll	3,000 ft²
	40' x 100'	90017407	1,240 lb./roll	4,000 ft²
JM EPDM R 45 MIL	10' x 100'	90017414	310 lb./roll	1,000 ft²
JM EPDM NR 60 MIL	10' x 50'	90017409	210 lb./roll	500 ft²
	10' x 100'	90017408	420 lb./roll	1,000 ft²
	20' x 50'	90017411	390 lb./roll	1,000 ft²
	16'8" x 100'	90017416	700 lb./roll	1,667 ft²
	20' x 100'	90017410	840 lb./roll	2,000 ft²
	30' x 100'	90017412	1,260 lb./roll	3,000 ft²
	40' x 100'	90023069	1680 lb./roll	4,000 ft²
JM EPDM R 60 MIL	10' x 100'	90017415	420 lb./roll	1,000 ft²
JM EPDM R 75 MIL	10' x 100'	90017417	490 lb./roll	1,000 ft²
JM EPDM NR 90 MIL	10' x 50'	90017418	308 lb./roll	500 ft²
	10' x 100'	90017413	616 lb./roll	1,000 ft²
<b>EPDM PRE-TAPED MEMBRANE</b>				
JM EPDM NR 45 MIL—FIT 4" PRE-TAPED	10' x 100'	90025787	414 lb./roll	1,000 ft²
JM EPDM NR 60 MIL—FIT 4" PRE-TAPED	10' x 100'	90017420	420 lb./roll	1,000 ft²
	16'8" x 100'	90017421	700 lb./roll	1,667 ft²
JM EPDM NR 60 MIL—FIT 6" PRE-TAPED	10' x 100'	90021787	420 lb./roll	1,000 ft²
	16'8" x 100'	90025182	750 lb./roll	1,667 ft²
JM EPDM NR 90 MIL—FIT 4" PRE-TAPED	10' x 100'	90024442	635 lb./roll	1,000 ft²
JM EPDM NR 90 MIL—FIT 6" PRE-TAPED	10' x 100'	90018015	635 lb./roll	1,000 ft²
JM EPDM R 60 MIL—FIT 4" PRE-TAPED	10' x 100'	90023546	420 lb./roll	1,667 ft²
JM EPDM R 60 MIL—FIT 6" PRE-TAPED	10' x 100'	90023547	420 lb./roll	1,667 ft²
JM EPDM R 60 MIL—FIT (MF) 6" PRE-TAPED	10' x 100'	90025178	420 lb./roll	1,000 ft²
JM EPDM R 75 MIL—FIT 4" PRE-TAPED	10' x 100'	90023985	420 lb./roll	1,667 ft²
JM EPDM R 75 MIL—FIT 6" PRE-TAPED	10' x 100'	90023907	420 lb./roll	1,667 ft²





# PEAK ADVANTAGE *Johns Manville*

Johns Manville offers one of the most comprehensive guarantees in the roofing industry. That's the advantage you can expect from a longtime, dependable leader with the financial backing of Berkshire Hathaway.



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