

### Meets the requirements of ASTM D 4637, Type I

#### Features and Components

**Membrane:** Nonreinforced, cured White EPDM (ethylene propylene diene monomer).

**Fully Extruded:** Produces fewer air voids, more uniform thickness and smoother sheets.

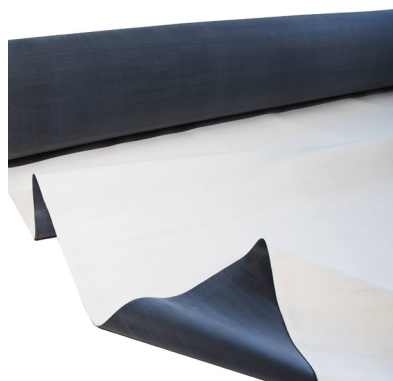
**Vulcanization Process:** Combines two layers of membrane to produce a fully cross-linked monolithic membrane.

**Membrane Formulation:** Performs in extreme temperature climates and withstands differential movement (elongation).

**UV-Stabilization Properties:** Offers outstanding ozone and weather resistance delivering one of the longest service lives available.

**Technical Expertise:** Backed by 30+ years of EPDM experience and installations.

**Reflectivity:** JM White EPDM meets or exceeds LEED and CRRC requirements for a reflective roof system.



#### Color

White

### System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

| Multi-Ply                         | BUR |    | APP |    |    | SBS |    |    |  |  |
|-----------------------------------|-----|----|-----|----|----|-----|----|----|--|--|
|                                   | HA  | CA | HW  | HA | CA | HW  | SA | MF |  |  |
| Do not use with multi-ply systems |     |    |     |    |    |     |    |    |  |  |

| Single Ply                                            | TPO |    |    |    | PVC |    |    | EPDM |    |    |
|-------------------------------------------------------|-----|----|----|----|-----|----|----|------|----|----|
|                                                       | MF  | AD | SA | IW | MF  | AD | IW | MF   | AD | BA |
| Compatible with the selected single ply systems above |     |    |    |    |     |    |    |      |    |    |

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

### Energy and the Environment

| Property                                           | Value |
|----------------------------------------------------|-------|
| Reflectivity* (ASTM C 1549)                        | 0.787 |
| Reflectivity - CRRC 3 yr Rapid Rating (ASTM D7897) | 0.755 |
| Emissivity* (ASTM C 1371)                          | 0.90  |
| Emissivity - CRRC 3 yr Rapid Rating (ASTM D7897)   | 0.89  |
| SRI - Initial (ASTM E1980)                         | 98    |
| SRI - 3 year Rapid Rating (ASTM E1980)             | 93    |
| Post-Consumer Recycled Content                     | 0%    |
| Pre-Consumer Recycled Content                      | 0%    |

\*Test methods for reflectivity and emissivity are LEED®- and CRRC®-approved.

### Peak Advantage® Guarantee Information

Enhanced guarantees are now available on certain systems for wind and puncture. Consult your local sales representative for more information and for specific guarantee terms and costs.

| Product                            | Guarantee Term |
|------------------------------------|----------------|
| When used in most JM EPDM Systems* | Up to 30 years |

\*Contact JM Technical Services for specific systems.

### Installation/Application



Adhered

- Prime White EPDM membrane with JM Single Ply Membrane Primer (LVOC) or JM TPO Membrane Primer before applying JM White EPDM Accessories.
- Refer to JM EPDM Application Guides and Detail Drawings for instructions.

### Packaging and Dimensions

| Roll Size                     | Roll Coverage      |
|-------------------------------|--------------------|
| 10' x 100' (3.05 m x 30.48 m) | 1000 ft² (92.9 m²) |

### Codes and Approvals



## Meets the requirements of ASTM D 4637, Type I

| Physical Properties    |                                                 | ASTM Test Method       | Standard for ASTM D 4637, Type I      | JM EPDM – NR 90 mil                                |
|------------------------|-------------------------------------------------|------------------------|---------------------------------------|----------------------------------------------------|
| Strength               | Tensile Strength (psi)                          | D 412                  | > = 1305                              | 1390                                               |
|                        | Elongation, Ultimate (%)                        | D 412                  | > = 300                               | 491                                                |
|                        | Tensile Set (%)                                 | D 412                  | < = 10                                | 8                                                  |
|                        | Tear Resistance (lbf/in.)                       | D 624                  | > = 150                               | 220                                                |
|                        | Dynamic Puncture Resistance, 5J, Type I         | D 5635                 | pass                                  | pass                                               |
|                        | Static Puncture Resistance, 44.1 lbf, Type I    | D 5602                 | pass                                  | pass                                               |
| Longevity              | Overall Sheet Thickness (in.)                   | D 751                  | +/- 10%                               | pass                                               |
|                        | Brittleness Point (°F)                          | D 2137                 | < = -49                               | pass                                               |
|                        | Ozone Resistance                                | D 1149                 | pass                                  | pass                                               |
|                        | Water Absorption (mass %)                       | D 471                  | < = 8                                 | 2.0                                                |
|                        | Water Vapor Permeance                           | E 96                   | 0.10                                  | 0.05 Perms                                         |
| Heat Aged Performance  | Heat Aged 670 hrs @ 240°F                       | D 573                  |                                       |                                                    |
|                        | Tensile Strength (psi)                          | D 412                  | > = 1205                              | 1635                                               |
|                        | Elongation, Ultimate (%)                        | D 412                  | > = 200                               | 517                                                |
|                        | Tear Resistance (lbf/in.)                       | D 624                  | > = 125                               | 211                                                |
|                        | Linear Dimensional Change (%)                   | D 1204                 | < +/- 1                               | 0.0                                                |
|                        | Resistance to Outdoor (UV) Weathering           | G155                   | No Cracks, No Cracking<br>7,560 kj/m2 | No Cracks, No Cracking<br>20,000 kj/m2, 8,000 hrs. |
| Weathering Performance | Weathering Resistance, 5040 KJ/(m2-nm) @ 340 nm | D 4637 / G 151 / G 155 |                                       |                                                    |
|                        | Visual Inspection                               | –                      | pass                                  | pass                                               |
|                        | Elongation, Ultimate (%)                        | D 412                  | > = 200                               | 351                                                |
|                        | PRFSC (%)                                       | D412                   | > = 30                                | 78                                                 |

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at [www.jm.com/roofing](http://www.jm.com/roofing). The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions).