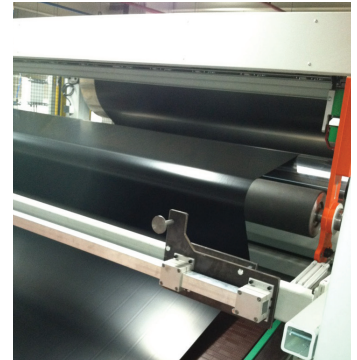


EPDM (Ethylene Propylene Diene Monomer) is one of the most versatile, durable and proven membranes for new and re-roof low-slope roofs. JM brings together its science and engineering expertise with best-of-industry knowledge and the world's newest and most advanced extrusion equipment. The result is a formulation optimized for the equipment, delivering a clear advantage over other EPDM membranes.

## The Most Advanced Extrusion Technology

JM evaluated both calender and extrusion technologies, and after a thorough assessment, determined that an extruded sheet results in a higher-quality membrane. The calender process is an open system allowing for air entrapment throughout the sheet, whereas extrusion technology minimizes air entrapment for a smoother surface finish and more consistency within the sheet. A closed extrusion system is also less sensitive to environmental factors such as humidity, and allows for greater temperature control during the manufacturing process. Greater precision of quality control creates a consistently higher-quality sheet. While most brands continue to use a calender process for the production of EPDM, JM offers a fully extruded sheet for 100% of the EPDM membranes it produces.



## Exceptional Ozone Resistance

Both the EPDM polymer and carbon black have excellent ultraviolet absorption properties, allowing for one of the most ozone-resistant sheets on the market. JM's scientists developed the JM formulation to fully utilize these properties, and tested the available polymers on the market today to select only those polymers with top performance characteristics.

## Excellent Thickness Tolerances

When considering an EPDM membrane, it is important to recognize the value that is tied to the thickness of the sheet. While other EPDM membranes can vary within 10% of the stated thickness of the sheet, the thickness in the JM EPDM sheet deviates far less. JM's extruder provides a thickness tolerance of just +/- 1%. ASTM allows for a thickness variation of +/-10%, and other brands can average lower than the stated thickness. JM targets its EPDM membrane at the full thickness. Thickness consistency is particularly important at the edge of the sheet to create the strongest seam possible.

## Sustainability

Despite so much attention to white roofs, black EPDM can be a smarter choice in cooler climates, where heating days exceed cooling days. In these climates, a black roof helps to conserve energy consumption and energy costs for the building owner. In addition, EPDM's long service performance — with guarantees of up to 30 years — makes it an environmentally sustainable choice as well. A recent study by the EPDM Roofing Association found that using today's advanced design techniques and proper maintenance, it is reasonable to expect that an EPDM roof will approach or exceed 40 years of service. A longer roof life span eliminates more scrap, waste, roof tear-offs and packaging.

## Strongest Water-Based Adhesive

The roofing industry has seen an increase in both environmental awareness and VOC regulations. In response, JM has made available one of the most effective water-based products in commercial roofing. Based on peel strength testing, JM's EPDM water-based adhesive is exceptionally strong and it is one of the first water-based adhesives to be able to be applied vertically.

