

## Environmental Benefits of EPDM

Sustainability and environmental conservation are two of the top priorities in today's construction industry. Using building materials with long life expectancies is one of the best ways to achieve long-term sustainability, and EPDM is unmatched when it comes to long-term service life. EPDM roofs have the lowest global warming potential, smog impact, and acid rain impact when compared to other commonly used commercial roofing systems, and at the end of its service life, EPDM can be recycled. More than 50 years of real-world experience has proven that EPDM roof systems are a reliable and sustainable option for almost any roofing project.

### SUSTAINABILITY

One of the best ways to conserve natural resources is to use building materials with long life expectancies that minimize or delay the need for replacement. EPDM is unmatched when it comes to long-term service life.

- » 30-year-aged EPDM exhibits physical properties that actually exceed those of new EPDM membranes
  - Tensile and tear strengths as well as water absorption rates meet or exceed specs for new membrane
- » One of the few membranes with 60+ years of real-world experience
- » Industry-leading UV weathering resistance compared to other roofing membranes
- » Excellent resistance to hail damage documented in numerous studies
- » Added protection against premature roof system failure caused by condensation
- » Extremely repairable membrane, even at the end of its normal service life



### LIFECYCLE ANALYSIS

Other environmental benefits were identified in a study completed using the EPA's TRACI model to look at cradle-to-grave impact of raw materials, manufacturing, installation and disposal.

- » EPDM has the lowest global warming potential, acid rain impact and smog impact when compared to other commercial roofing membranes.

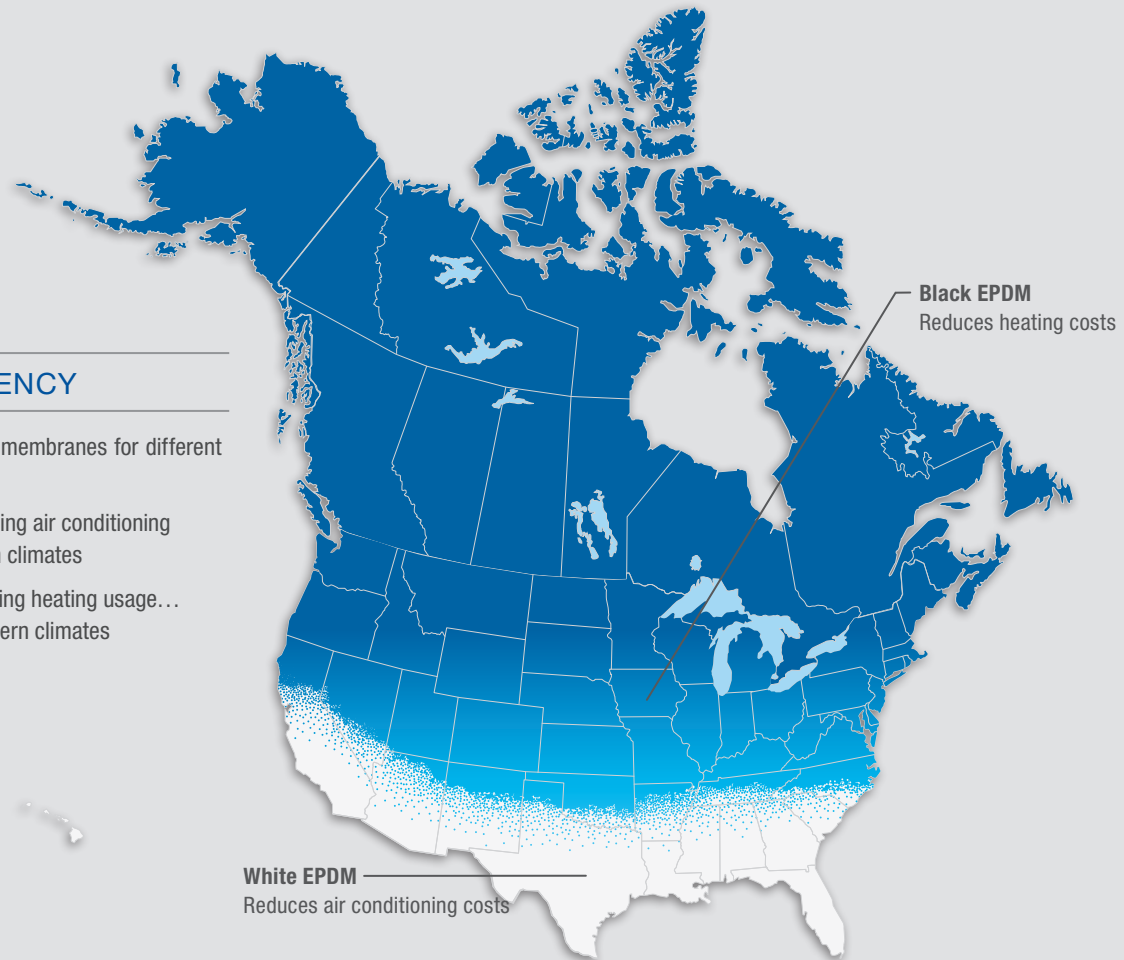
### RECYCLABLE

Both the EPDM membrane and insulation from aged ballasted systems can easily be recycled as both are loose laid. Recycled EPDM is added back into manufacturing; current EPDM formulations contain up to 5% recycled EPDM content.

## ENERGY EFFICIENCY

EPDM is available in both white and black membranes for different geographic climates.

- » White EPDM saves energy by reducing air conditioning usage...a major benefit in southern climates
- » Black EPDM saves energy by reducing heating usage...a major benefit in central and northern climates



## ROOFTOP SOLAR

EPDM is ideally suited for rooftop solar applications due to its long term weathering advantage and ease of repair, minimizing disruption to the solar array.



## TRANQUIL LIVING SPACE

Specially formulated EPDM Pond Liners are routinely used to create peaceful living spaces that are in harmony with nature.

