

Get the Royal Edge Advantage with RPI



Royal Edge Polyepichlorohydrin Membrane

ROYAL EDGE EPDM MEMBRANE

DESCRIPTION

RPI Royal Edge Polyepichlorohydrin membrane is a 60 mil polymer based elastomeric overlayment membrane installed as an increased protection barrier against incidental spills or contamination of grease, oils, aromatic solvents and/or hydrocarbons. Available in 10' (3m) width and 50' (30m) length rolls.

THE ROYAL EDGE ADVANTAGE

BENEFITS AND COMPATIBILITY

Polyepichlorohydrin offers increased resistance to grease and oils, solvents and other contaminants that may come into contact with the EPDM roof membrane. Note: Roof mechanicals which vent onto single ply membranes must be periodically monitored and maintained by the building owner. RPI Royal Edge Polyepichlorohydrin is compatible with all RPI EPDM membranes.

INSTALLATION

IMPORTANT: Roof slope must be a minimum of 1/4" in 12"

1. Adhere the Polyepichlorohydrin membrane to the existing EPDM membrane with RPI Royal Edge Solvent Based, or RPI Low VOC Universal Bonding Adhesive. Do not apply adhesive to the 6 inch perimeter of the the membrane.
2. Clean the seam area with Membrane Cleaner and apply RPI Seam Tape Primer or RPI Low Voc Primer to the seam areas. Allow the Primer to flash off.
3. Install the RPI Seam Tape per RPI Specifications.
4. Using a 2" wide roller, hand roll the entire splice area around the membrane. Note: Complete adhesion to an existing Ballasted roof is not required. Attaching the perimeters with Seam Tape and re-installing the ballast is acceptable.



Typical Properties and Characteristics

Physical Property	Test Method	SPEC. (PASS)	Typical
Tolerance on Nominal Thickness, %	ASTM D412	±10	±10
Elongation, Ultimate, min, %	ASTM D412	200	250
Tensile Strength, min, psi (MPa)	ASTM D412	1305 (9.0)	1550 (10.7)
Resistance to Heat Aging* Properties after 168 hours @ 240°F (116°C) Tensile Strength, min, psi (MPa) Elongation, Ultimate, min, %	ASTM D412 ASTM D412	1305 (9.0) 150	1500 (10.3) 182
Tear Resistance min, lbf/in (kN/m)	ASTM D624 Die C	150 (26.3)	225 (39.4)
Ozone Resistance* Condition after exposure to 100 ppm Ozone in air for 168 hours @ 104°F (40°C) Specimen is at 50% strain	ASTM D1149	No Cracks	No Cracks
Brittleness Temp., max, °F (°C)*	ASTM D746	-20 (-29)	-20 (-29)
Resistance to Oil Aging* After 7 days immersion in #2 diesel fuel @ 158°F (70°C) Change in mass, max, %	ASTM D471	+15	+15
Water Vapor Permeance* Max, perms	ASTM E 96 (Proc. B or BW)	No ASTM Spec.	0.60

*Not a quality control test due to the time required for the test or the complexity of the test. All tests are run on a statistical basis to ensure overall long-term performance of the membrane.

Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

LEED® Information

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%
Manufacturing Location	Carlisle, PA