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ROYAL EDGE NON-REINFORCED EPDM MEMBRANE TECHNICAL DATA SHEET

PRODUCT DATA

| PROPERTIES | TEST METHOD | MINIMUM ASTM PERFORMANCE | TYPICAL VALUES |
|--------------------------------|--|-----------------------------|------------------------|
| THICKNESS | ASTM D 412 | 0.0405 " (1.028 mm) | 0.043" (1.092 mm) |
| OVERALL MEMBRANE | | | |
| ELONGATION, min. | ASTM D 412 (Die C) | 300 % | 450 % |
| TENSILE STRENGTH, min . | ASTM D 412 (Die C) | 1305 psi (9.0 MPa) | 1425 psi (9.8 MPa) |
| TEAR RESISTANCE, min. | ASTM D 624 (Die C) | 150 lbf/in (26.2 kN/m) | 200 lbf/in (35.0 kN/m) |
| BRITTLENESS TEMP. max | ASTM D 2137 | -49° F (-45° C) | -63° F (-53° C) |
| OZONE RESISTANCE no cracks | ASTM D 1149 | pass | pass |
| HEAT AGING: ASTM D 573 | | | |
| Tensile Strength, min | ASTM 412 (Die C) | 1205 psi (8.3 MPa) | 1415 psi (9.7 MPa) |
| Elongation, max, min | ASTM D 412 (Die C) | 200 % | 90 % |
| Tear Resistance, min | ASTM D 624 (Die C) | 125 lbf/in (21.9 kN/m) | 180 lbf/in (31.5 kN/m) |
| Linear Dimensional Change, max | ASTM D 1204 | ± 1.0 % | - 0.7 % |
| Water Absorption, max, mass % | ASTM D 471 | + 8, -2 % | +1.8 % |
| Factory Seam Strength, min | ASTM D 816, Method B 50 lbf/in (Modified) | (8.8 kN/m) or sheet failure | sheet failure |
| WEATHER RESISTANCE: | | | |
| Visual Inspection | ASTM D 518 | pass | pass |
| PRFSE, min | ASTM D 518 | 30 % | 63 % |
| Elongation, max, min | ASTM D 412 (Die C) | 200 % | 290 % |

RPI Royal Edge EPDM membrane meets or exceeds the minimum requirements set forth by ASTM D 4637, and CGSB 37-GP-52M, for Type 1, Class A, non-reinforced single-ply EPDM membranes.

DESCRIPTION:

RPI Royal Edge non-reinforced EPDM membrane is a cured single-ply membrane suitable for use in Fully Adhered, Mechanically Attached, and Ballasted roofing systems.

APPLICATION INSTRUCTIONS:

1. All substrates must be dry, clean, and free of debris and loose foreign materials including oils, grease, and other contaminants.
2. All surfaces must be smooth and free of sharp and protruding edges.
3. All voids greater than ¼ inch should be filled with an acceptable material.
4. RPI Royal Edge EPDM must be installed according to RPI System Specifications.

PACKAGEING:

| Thickness | Widths | Lengths | Weight |
|------------------|---|---|-----------------|
| .045" (1.1 M) | 7.5 ft. (2.3 m) 10 ft. (3 m) 20 ft. (6.1 m) 30 ft. (9.1 m) 40 ft. (12.2 m) 50 ft. (15.2 m) | 50 ft. (15.2 m) 25, 50, 100, 200 ft. | 0.29 lb/sq. ft. |
| .060" (1.5 M) | 7.5 ft. (2.3 m) 10 ft. (3 m) 20 ft. (6.1 m) 30 ft. (9.1 m) | 50 ft. (15.2 m) 25, 50, 100, 200 ft. | 0.40 lb/sq. ft. |

Contact RPI representative for product availability and shipping/packaging information.

PRECAUTION:

1. When moving/transporting, avoid dragging rolls. Do not allow membrane to come into contact with objects that can puncture, cut, or tear the membrane.
2. Prevent contact with products such as oils, animal fats, petroleum products, and grease.
3. Refer to Material Safety Data Sheets (MSDS) for safety information and disposal.

RECOMMENDED STORAGE:

1. Protect membrane from puncture and other physical damage.
2. Before stocking/loading rooftop, check existing structure to ensure dead load limitations are not exceeded. Consultation with a structural engineer is recommended.
3. Do not store material near ignition or open flame sources. Material will burn when exposed to open flame.



Information stated on this Roofing Products International, Inc. Data Sheet is intended to provide basic guidance as to storage, application, coverage, shipping, and other product data. Information is subject to change without notice. For more information regarding this product, refer to RPI MSDS, and the RPI Specification Manual. As neither Roofing Products International, Inc. nor its representatives practice structural engineering or architecture, RPI disclaims any responsibility and offers no opinion as to the structural soundness of any structure on which its products may be applied. The building owner should obtain the services of a competent structural engineer before proceeding. RPI accepts no responsibility for any structural failure or resultant damages. No Roofing Products International, Inc. representative is authorized to vary this disclaimer.



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