RubberGard™ MAX EPDM Membrane

TIS #104

Description:
Firestone RubberGard™ MAX EPDM is an internally reinforced cured single-ply roofing membrane that features a 9 x 9, 1,000 denier polyester weft inserted reinforcing scrim. It is available in .045" (1.1 mm), .060" (1.5 mm) and .075" (1.9 mm) thicknesses.

Preparation of Substrate:

1. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or foreign materials, oil, grease, and other materials that may damage the membrane.
2. All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
3. All surface voids greater than 1/4" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Method of Application:

1. RubberGard MAX Reinforced EPDM Membrane must be installed in accordance with current RubberGard specifications, details and workmanship requirements.

Storage:

- Store away from sources of punctures and physical damage.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.

Precautions:

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Assure that structural decking will support the loads incurred by material when stored on rooftop. The deck load limitations should be specified by the project designer.
- Store away from ignition sources as membrane will burn when exposed to open flame.
- Refer to Material Safety Data Sheets (MSDS) for safety information.

Packaging:	Widths[1]	Lengths	Weight
.045" MAX	10' (3 m)	100' (30.5 m)	0.31 lb/sf (1.5 kg/m²)
.060" MAX	10' (3 m)	100' (30.5 m)	0.42 lb/sf (2.1 kg/m²)
.075" MAX	10' (3.05 m)	100' (30.5 m)	0.52 lb/sf (2.4 kg/m²)

[1]Available sizes vary by product. Contact your Firestone Customer Service Representative for availability and packaging information.

Compliance:
Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 0%
Manufacturing Location: Prescott, AR

CCMC 13265-L

TECHNICAL INFORMATION SHEET

Physical Properties:	*ASTM Standard*	*Units*	*Performance Minimum*	*Typical Values 45 mil*	*Typical Values 60 mil*	*Typical Values 75 mil*
Thickness, minimum Sheet-overall	D 751	In. (mm)	0.0405 (1.016) 0.0504 (1.372)	0.043 (1.092)	0.059 (1.499)	0.074 (1.88)
Coating over Scrim	D 751	In. (mm)	0.015 (0.381)	0.015(0.381)	0.022(0.599)	0.029 (0.74)
Breaking Strength, minimum	D751 (Grab Method)	Lbf(N)	90 (400)	217 (965)	232 (1032)	325 (1445)
Elongation, Ultimate, minimum	D 412 (Die C)	%	350[a]	475[a]	475[a]	475[a]
Tensile strength, minimum	D 751 (Tongue Tear)	Lbf(N)	10 (45)	60 (267)	81 (360)	88 (391)
Brittleness Point, maximum	D 2137	°F (°C)	-65 (-54)	-65 (-54)	-65 (-54)	-65 (-54)
Ozone resistance, no cracks	D 1149	-	-	Pass	Pass	Pass
Heat Aging:	D 573					
Breaking Strength, min.	D 751 (Grab Method)	Lbf(N)	80 (356)	248 (1103)	265 (1179)	410 (1824)
Elongation, ultimate, min.	D 412 (Die C)	%	200[a]	300[a]	300[a]	300[a]
Linear dimensional change, maximum	D 1204	%	±1.0	-0.7	-.43	-.43
Water absorption, max, mass %	D 471	%	+8,-2[a]	+1.8[a]	+2.94[a]	+2.94[a]
Weather Resistance:						
Visual Inspection	D 518	-	Pass	Pass	Pass	Pass

[a] Specimens to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced products.

RubberGard MAX EPDM membrane meets or exceeds the minimum requirements set forth by ASTM D 4637 for Type II scrim-reinforced EPDM single-ply roofing membranes.

Please Contact your Firestone Technical Coordinator at 1-800-428-4511 for further information.