



RubberGard MAX (Reinforced EPDM Membrane) (Black)

DESCRIPTION:

Firestone RubberGard MAX is an internally reinforced cured EPDM Membrane single-ply roofing membrane that features a 9 x 9, 1,000 denier polyester weft inserted reinforcing scrim. It is available in .045", .060" and .075" thickness'.

PREPARATION OF SUBSTRATES:

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 could 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. It can be used in ballasted, fully adhered and mechanically attached systems.

PANEL SIZES:

Thickness	Widths	Lengths*	Weight
.045" (1.1 mm)	7.5 ft (2.3 m) 10 ft (3 m)	100 ft (30.5 m) 100 ft (30.5 m)	0.32 lb/sf (1.5 kg/m ²)
.060" (1.5 mm)	7.5 ft (2.3 m) 10 ft (3 m)	100 ft (30.5 m) 100 ft (30.5 m)	0.42 lb/sf (2.0 kg/m ²)
.075" (1.9 mm)	7.5 ft (2.3 m) 10 ft (3 m)	100 ft (30.5 m) 100 ft (30.5 m)	0.52 lb/sf (2.4 kg/m ²)

*200' panels are available on a special order basis with an extended lead time.

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PRODUCT DATA

STORAGE:

1. Store away from sources of punctures, and physical damage.
2. 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.
3. Store away from ignition sources as membrane will burn when exposed to open flame.

PRECAUTIONS:

1. Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
2. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard membrane. Contact Firestone Roofing System Solutions Department for specific recommendations.
3. Refer to Material Safety Data Sheets (MSDS) for safety information.

LEED INFORMATION:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Locations: Prescott, AR



Subject to the conditions of Approval when installed as described in the current edition of the FM Approval Guide



Membrane for Roofing Systems
 As to an External Fire Exposure Only
 61P2
 See UL Directory of Products
 Certified for Canada
 And UL Roofing Materials
 And Systems Directory
 R9516

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PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Minimum ASTM Performance</u>	<u>Typical Values</u>
Thickness, min			
Sheet-overall	ASTM D 751	0.040 in (1.016 mm)	0.040 in (1.016 mm)
Coating over scrim or fabric	ASTM D 751	0.015 in (0.381 mm)	0.015 in (0.381 mm)
Breaking strength, min	ASTM D 751 (Grab Method)	90 lbf (400 N)	240 lbf (1068 N)
Elongation, ultimate, min	ASTM D 412 (Die C)	250% ^A	475% ^A
Tearing strength, min	ASTM D 751 (Tongue Tear)	10 lbf (45 N)	60 lbf (267 N)
Brittleness point, max	ASTM D 2137	-49° F (-45° C)	-65° F (-54° C)
Ozone resistance, no cracks	ASTM D 1149	pass	pass
Heat Aging:	ASTM D 573		
Breaking strength, min	ASTM D 751 (Grab Method)	80 lbf (356 N)	275 lbf (1223 N)
Elongation, ultimate, min	ASTM D 412 (Die C)	200% ^A	300% ^A
Linear dimensional change, max	ASTM D 1204	±1.0 %	-0.7%
Water absorption, max, mass %	ASTM D 471	+8, -2% ^A	+1.8% ^A
Weather resistance:			
Visual inspection	ASTM D 518	pass	pass

^ASpecimens to be prepared from coating rubber compound, vulcanized in a similar method to the reinforced products.

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