



RubberGard Non-Reinforced Fire Retardant EPDM Membrane (Black)

DESCRIPTION:

Firestone RubberGard non-reinforced fire retardant (FR) EPDM Membrane is a cured single-ply roofing membrane.

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 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 non-reinforced FR 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.

PACKAGING:

Thickness	Widths	Lengths	Weight
.045" FR (1.1 mm)	10 ft (3.05 m) 20 ft (6.10 m)	50 ft (15.25 m) 100 ft (30.5 m)	0.31 lb/sf (1.5 kg/m ²)
.060" FR (1.5 mm)	10 ft (3.05 m) 20 ft (6.10 m)	50 ft (15.25 m) 100 ft (30.5 m)	0.42 lb/sf (2.1 kg/m ²)

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PRODUCT DATA

Batten-in-the-Seam Membrane Panels

Thickness	Widths	Lengths	Weight
.045" FR (1.1 mm)	7-1/2 ft* (2.3 m) 9 ft** (2.7 m)	100 ft (30.5 m) 100 ft (30.5 m)	0.31 lb/sf (1.5 kg/m ²)
.060" FR (1.5 mm)	7-1/2 ft* (2.3 m) 9 ft** (2.7 m)	100 ft (30.5 m) 100 ft (30.5 m)	0.42 lb/sf (2.1 kg/m ²)

*Packaged 2 100' (30.5 m) panels per roll.

**Available in 100' (30.5 m) rolls only.

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. It is important that the side of the sheet imprinted with the direction "This Side Down" be installed in direct contact with the substrate to achieve respective test agency compliance.
4. 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 412	0.040 in (1.016 mm)	0.040 in (1.016 mm)
Tensile strength, min	ASTM D 412 (Die C)	1305 psi (9.0 MPa)	1465 psi (10.1 MPa)
Elongation, ultimate, min	ASTM D 412 (Die C)	300%	350%
Tensile set, max	ASTM D 412 Method A, (Die C)	10%	5%
Tear resistance, min	ASTM D 624 (Die C)	150 lbf/in (26.3 kN/m)	190 lbf/in (33.2 kN/m)
Brittleness point, max	ASTM D 2137	-49° F (-45° C)	-62° F (-52° C)
Ozone resistance, no cracks	ASTM D 1149	pass	pass
Heat Aging:	ASTM D 573		
Tensile strength, min	ASTM D 412 (Die C)	1205 psi (8.3 MPa)	1450 psi (10.0 MPa)
Elongation, ultimate, min	ASTM D 412 (Die C)	200%	225%
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 %	-0.5%
Water absorption, max, mass %	ASTM D 471	+8, -2%	+1.8%
Factory seam strength, min	ASTM D 816, Method B (Modified)	50 lbf/in (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, ultimate, min	ASTM D 412 (Die C)	200%	225%

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