

TECHNICAL INFORMATION SHEET

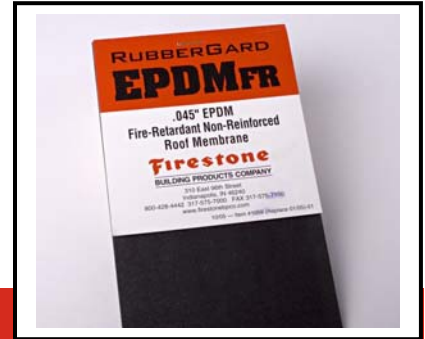
Fire Retardant (FR) RubberGard™ EPDM Membrane

Item Description

1 Roll

Item Number

various



Product Information

Description:

Firestone FR RubberGard EPDM is a non-reinforced, cured, single-ply roofing membrane that can be used in ballasted, fully adhered and mechanically attached systems.

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 ¼" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Product Packaging

<u>Membrane Thickness</u>	<u>Width</u>	<u>Length</u>	<u>Weight</u>
0.045" (1.14 mm)	7.5' (2.3 m) ¹	100' (30.5 m)	0.31 lb/ft ² (1.5 kg/m ²)
	10' (3.05 m)	50' (15.25 m)	
	20' (6.10 m)	100' (30.5 m)	
0.060" (1.52 mm)	7.5' (2.3 m) ¹	100' (30.5 m)	0.43 lb/ft ² (2.1 kg/m ²)
	10' (3.05 m)	50' (15.25 m)	
	20' (6.10 m)	100' (30.5 m)	
Batten in the Seam Membrane Panels			
0.045" (1.14 mm)	7.5' (2.3 m) ¹	100' (30.5 m)	0.31 lb/ft ² (1.5 kg/m ²)
	9' (2.7 m)	100' (30.5 m)	
0.060" (1.52 mm)	7.5' (2.3 m) ¹	100' (30.5 m)	0.43 lb/ft ² (2.1 kg/m ²)
	9' (2.7 m)	100' (30.5 m)	

¹Packaged 2-100 (30.5 m) panels per roll

Method of Application:

RubberGard Non-Reinforced FR 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:

- Review Safety Data Sheets (SDS) prior to use.
- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.

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Precautions Continued:

- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard membrane.
- 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.

LEED® Information:

Post Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Prescott, AR

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



CCMC 13266-L



Typical Properties

Property	ASTM Standard	Units	Performance Minimum	Typical Values-45 mil	Typical Values-60 mil
Thickness, min Sheet-overall	D412	in. (mm)	45 mil: .0405(1.028) 60 mil: .0504(1.280)	.0405 (1.028)	.059 (1.499)
Tensile Strength, min	D412 (Die C)	psi(MPa)	1305 (9.0)	1465 (10.1)	1454 (10.0)
Elongation, Ultimate, min	D412 (Die C)	%	300	350	622
Tensile set, max	D412 Method A (Die C)	%	10	5	2.18
Tear Resistance, min	D624 (Die C)	lbf/in(kN/m)	159 (26.3)	190 (33.2)	219 (38.4)
Brittleness Point, max	D2137	°F (°C)	10 (45)	-62 (-52)	-49 (-45)
Ozone Resistance, no cracks	D1149	-	-49 (-45)	-65 (-54)	Pass
Heat Aging:	D573	-	-	-	1490(10.3)
Tensile Strength, min	D412 (Die C)	psi(MPa)	1205 (8.3)	1450 (10.0)	322
Elongation, ultimate, min	D412	%	200	225	179
Tear Resistance, min	D624	lbf/in(kN/m)	125 (21.9)	180 (31.5)	31.3
Linear Dimensional change, max	D1204	%	±1.0	-0.5	-3.2
Water Absorption, max, mass %	D471	%	+8,-2 ^a	+1.8	+1.51
Factory Seam Strength, min	D816 Method B (modified)	lbf/in(kN/m)	50(8.8) or Sheet Failure	Sheet Failure	Sheet Failure
Weather Resistance:					
Visual Inspection	D518	-	Pass	Pass	Pass
PRFSE, min	D518	%	30	63	53
Elongation, ultimate, min	D 412 (Die C)	%	200	225	255
Air Permeance (Material):	E2178*	ft ³ /ft ² (L/(s·m ²))	<0.004 (0.02))	Pass	Pass

*The ASTM 2178 values listed are for the air permeance of the FR RubberGard EPDM Membrane component only. For use of the product as a component in an air barrier assembly, please consult your Firestone Technical Advisor, Code Agency or Authority having Jurisdiction (AHJ) for the acceptable air barrier assembly details.

Please contact Firestone Technical Services Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.