

Low Slope Fire Retardant (LSFR) RubberGard™ EPDM Membrane

Item Description
1 Roll

Item Number
Various

Product Information

Description:

Firestone LSFR 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:

- 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.
- All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
- All surface voids greater than ¼" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Product Packaging

Membrane Thickness	Width	Length	Weight
0.045" (1.14 mm)	7.5' (2.3 m)	100' (30.5 m)	0.31 lb/ft ² (1.5 kg/m ²)
	10' (3.05 m)	100' (30.5 m)	
	16.7' (5.09 m)	100' (30.5 m)	
	20' (6.10 m)	100' (30.5 m)	
	30' (9.14 m)	100' (30.5 m)	
	40' (12.19 m)	100' (30.5 m)	
	50' (15.24 m)	100' (30.5 m)	
0.060" (1.52 mm)	7.5' (2.3 m)	100' (30.5 m)	0.43 lb/ft ² (2.1 kg/m ²)
	10' (3.05 m)	100' (30.5 m)	
	16.7' (5.09 m)	100' (30.5 m)	
	20' (6.10 m)	100' (30.5 m)	
	30' (9.14 m)	100' (30.5 m)	
	40' (12.19 m)	100' (30.5 m)	
	50' (15.24 m)	100' (30.5 m)	

NOTE: Available sizes vary by product. Contact your Firestone Customer Service Representative for availability and packaging information.

Method of Application:

RubberGard Non-Reinforced LSFR 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.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard membrane.
- Refer to Safety Data Sheets (SDS) for safety information.

TECHNICAL INFORMATION SHEET



Low Slope Fire Retardant (LSFR) RubberGard™ EPDM Membrane

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	Typ. Values - 45 mil	Typ. Values - 60 mil
Thickness, minimum Sheet-overall:	D 412	in (mm)	0.0405 (1.016) 0.0504 (1.372)	0.0405 (1.092)	0.059 (1.499)
Tensile Strength, min.:	D 412 (Die C)	psi (MPa)	1305 (9.0)	1435 (9.9)	1454 (10.0)
Elongation, Ultimate, min.:	D 412 (Die C)	%	300	450	622
Tensile set, max.:	D 412, Method A (Die C)	%	10	5	2.18
Tear Resistance, min.:	D 624 (Die C)	lbf/in (kN/m)	150 (26.27)	190 (33.2)	219 (38.4)
Brittleness point, max.:	D 2137	°F (°C)	-49 (45)	-62 (-52)	-49 (-45)
Ozone resistance, no cracks:	D 1149	---	---	Pass	Pass
Heat Aging:	D 573				
Tensile Strength, min.	D 412 (Die C)	psi (MPa)	1205(8.3)	1425 (9.8)	1490 (10.3)
Elongation, ultimate, min.	D 412	%	200	240	322
Tear resistance, min.	D 624	lbf/in (kN/m)	125 (21.9)	180 (31.5)	179 (31.3)
Linear dimensional change, max.	D 1204	%	±1.0	-0.5	-.32
Water absorption, max., mass%:	D 471	%	+8, -2	+1.8	+1.51
Factory Seam Strength, min.:	D 816 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	52	53
Elongation, ultimate, min.	D 412 (Die C)	%	200	240	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 RubberGard LSFR Membrane component only. For use of the product as a component in an air barrier assembly, please consult your Firestone Building Systems Advisor (BSA), Code Agency or Authority having Jurisdiction (AHJ) for the acceptable air barrier assembly details.

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

Please contact Quality Building Services Technical 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.