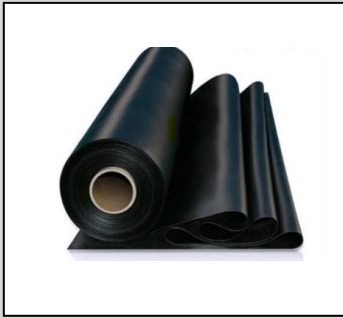


Technical Information Sheet



Fire Retardant (FR) RubberGard™ EPDM Membrane

Item Description	Item Number
One Roll	Various

Description

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

Product Packaging			
Membrane Thickness	Width	Length	Weight
Standard Panels			
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)	50' (15.25 m)	
0.060" (1.52 mm)	20' (6.10 m)	100' (30.5 m)	0.43 lb/ft ² (2.1 kg/m ²)
	7.5' (2.3 m)*	100' (30.5 m)	
	10' (3.05 m)	50' (15.25 m)	
20' (6.10 m)	100' (30.5 m)		
Batten-in-the-Seam Panels			
0.045" (1.14 mm)	7.5' (2.3 m)*	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)*	100' (30.5 m)	0.43 lb/ft ² (2.1 kg/m ²)
	9' (2.7 m)	100' (30.5 m)	

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

Product Preparation

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 mm) wide shall be properly filled with an acceptable fill material.

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.
- 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	Test Method	Performance Minimum	Typ. Values 45 mil	Typ. Values 60 mil
Thickness, min	D412	45 mil: .0405" (1.028 mm) 60 mil: .0504" (1.280 mm)	.0405" (1.028)	.059" (1.499)
Tensile Strength, min	D412 (Die C)	1305 psi (9.0 MPa)	1465 psi (10.1 MPa)	1454 psi (10.0 MPa)
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)	159 lbf/in (26.3 kN/m)	190 lbf/in (33.2 kN/m)	219 lbf/in (38.4 kN/m)
Brittleness Point, max	D2137	10 °F (45 °C)	-62 °F (-52°)	-49 °F (-45 °C)
Ozone Resistance, no cracks	D1149	-49 (-45)	-65 (-54)	Pass
Heat Aging:	D573			
Tensile Strength, min	D412 (Die C)	1205 psi (8.3 MPa)	1450 psi (10.0 MPa)	1490 psi (10.3 MPa)
Elongation, ultimate, min	D412	200%	225%	322%
Tear Resistance, min	D624	125 lbf/in (21.9 kN/m)	180 lbf/in (31.5 kN/m)	179 lbf/in (31.3 kN/m)
Linear Dimensional change, max	D1204	±1.0%	-0.5%	-0.6%
Water Absorption, max, mass %	D471	+8,-2	+1.8	+1.51
Factory Seam Strength, min	D816 Method B (modified)	50 lbf/in (8.8 kN/m) 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*	<0.004 ft ³ /ft ² (0.02 L/s·m ²)	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 Regional Technical Coordinator, Code Agency or Authority having Jurisdiction (AHJ) for the acceptable air barrier assembly details.

Please contact Holcim Technical Services at 800-428-4511 for further information.

This sheet is meant to highlight Elevate products and specifications and is subject to change without notice. Holcim takes responsibility for furnishing quality materials that meet published Elevate product specifications or other technical documents, subject to normal manufacturing tolerances. Neither Holcim nor its representatives practice architecture. Holcim offers no opinion on and expressly refuses any responsibility for the soundness of any structure. Holcim 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 Holcim representative is authorized to vary this disclaimer.