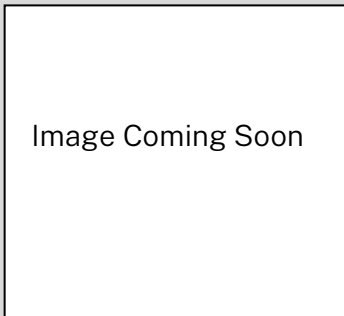


Technical Information Sheet



RubberGard™ EcoWhite™ EPDM Membrane

Item Description	Item Number
One Roll	Various

Description

RubberGard EcoWhite EPDM is a 0.060" (1.52 mm) non-reinforced, bi-laminate, white-on-black, cured single-ply roofing membrane that can be used in fully adhered Elevate Roofing Systems.

Product Packaging			
Membrane Thickness	Width	Length	Weight
0.060" (1.52 mm)	10' (3.05 m)	50' (15.24 m)	0.43 lb/ft ² (2.1kg/m ²)
	10' (3.05 m)	100' (30.5 m)	

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 1/4" (6 mm) wide shall be properly filled with an acceptable fill material.

Method of Application

RubberGard EcoWhite EPDM Membrane must be installed in accordance with current RubberGard EcoWhite EPDM 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 EPDM membrane.
- Refer to Safety Data Sheets (SDS) for safety information.

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



Radiative Properties	
Cool Roof Rating Council (CRRC): Initial / 3 yr	White
Solar Reflectance	0.77 / 0.71
Thermal Emittance	0.86 / 0.90
Solar Reflectance Index (SRI)	95 / 88
Rated Product ID	0065
Licensed Manufacturer ID	0608
Classification	Production Line

Typical Properties (ASTM D 4637)

Physical Test	ASTM Minimum Value	Typical Value
Thickness (D412)	1.52 mm +0.229 mm/-0.152 mm (0.060" +0.009"/-0.006")	1.549 mm (0.061")
Tensile Strength (D412, Die C)	9.0 MPa (1305 psi) Minimum	9.2 MPa (1336 psi)
Dynamic Puncture Resistance @ 5J (D5635)	Pass	Pass
Static Puncture Resistance @ 20 kg [44.1 lbf] (D5602)	Pass	Pass
Elongation, Ultimate % (D412, Die C)	300% Minimum	420%
Tensile Set (D412, Method A, Die C, 50% elongation)	10% Maximum	0%
Tear Resistance (D624, Die C)	26.27 kN/m (150 lbf/in) Minimum	32.75 kN/m (187 lbf/in)
Brittleness Point (D2137)	-45 °C (-49 °F) Maximum	Pass
Ozone Resistance, no cracks (D1149)	Pass	Pass
Tensile Strength after Heat Aging*	8.3 MPa (1205 psi) Minimum	10.0 MPa (1445 psi)
Elongation, Ultimate after Heat Aging*	200% Minimum	380%
Tear Resistance after Heat Aging*	21.9 kN/m 125 lbf/in Minimum	32.9 kN/m (188 lbf/in)
Linear Dimensional Change after Heat Aging*	± 1%	-1.00%
Water Absorption by Mass	+8%/-2%	+2.00%
Visual Inspection after Xenon-Arc Weather Resistance**	Pass	Pass
PRFSE, minimum % after Xenon-Arc Weather Resistance**	30% Minimum	31%
Elongation, ultimate, minimum % after Xenon-Arc Weather Resistance**	200% Minimum	210%
* Heat age EcoWhite EPDM membrane for: 166 ± 1.66 hours at 240 ± 4°F (116 ± 2°C), followed by specified physical testing. ** Weather Resistance shall be Practices G151 and G155 Xenon-Arc as follows:		
Filter Type:	Daylight	
Irradiance:	0.35 to 0.70 W/(m ² ·nm) @ 340 nm [42 to 84 W/(m ² ·nm) @ 300 to 400 nm]	
Cycle:	690 minutes ± 15 minutes light, 30 minutes light plus water spray	
Un-insulated Black Panel Temp:	176° ± 4°F (80° ± 2°C)	
Relative Humidity:	50% ± 5%	
Spray Water:	De-ionized	
Specimen Rotation:	Every 315 KJ/(m ² ·nm) @ 340 nm [37.8 MJ/(m ² ·nm) @ 300 to 400 nm]	
Exposure:	2520 KJ/(m ² ·nm) @ 340 nm [302.4 MJ/(m ² ·nm) @ 300 to 400 nm]	
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.