

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)	
	16' 8" (5.1 m)	100' (30.5 m)	
	20' (6.1 m)	100' (30.5 m)	
	25' (7.6 m)	100' (30.5 m)	
	30' (9.1 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 ¼" (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

		<u>Initial</u>	<u>CRRC Rapid Rating</u>
	Solar Reflectance	0.77	0.65
	Thermal Emittance	0.86	0.87
	SRI	95	78
	Rated Product ID Number	0065	
Licensed Seller ID Number	0608		
Classification	Production Line		
Cool Roof Rating Council ratings are determined for a fixed set of conditions and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.			

Compliance:	Test Method	Result
Solar Reflectance**	ASTM E903	0.77
Thermal Emittance**	ASTM E408	0.86
Solar Reflectance Index (SRI)***	ASTM E1980	95

**Values were obtained from independent testing by Atlas Material Testing DSET Laboratories
 ***SRI was calculated using the SRI calculator from the USGBC

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.

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Firestone, the brand of premier roofing, wall, and lining systems you know and trust, will be coming to you under a new name: Elevate. During our transition, products carrying the brand name **Firestone** will change to **Elevate** on product labels and packaging, Technical Information Sheets, and elsewhere. Only the brand name is changing. Our products remain the same.

For further information on our brand transition to Elevate, scan the code below with your smartphone, or visit our website: www.holcimelevate.com

