



Non-Reinforced White EPDM Membrane

DESCRIPTION:

Firestone RubberGard™ EcoWhite™ EPDM is a .060" (1.52 mm) non-reinforced, bi-laminate, white-on-black, cured single-ply roofing membrane that can be used in fully adhered Firestone Roofing Systems.

PREPARATION OF SUBSTRATES:

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

METHOD OF APPLICATION:

1. RubberGard EcoWhite non-reinforced EPDM Membrane must be installed in accordance with current RubberGard EcoWhite EPDM specifications, details and workmanship requirements.

STORAGE:

1. Store away from sources of punctures and physical damage.
2. 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.
3. Store away from ignition sources as membrane will burn when exposed to open flame.

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PRODUCT DATA

PACKAGING:

Thickness	Widths	Lengths	Weight per ft ²
.060" (1.5 mm)	10' (3 m) 16' 8" (5.8 m) 20' (6.1 m) 25' (7.6 m)	100 ft (30.5 m) 100 ft (30.5 m) 100 ft (30.5 m) 100 ft (30.5 m)	0.40 lb/ft ² (1.9 kg/m ²) 0.40 lb/ft ² (1.9 kg/m ²) 0.40 lb/ft ² (1.9 kg/m ²) 0.40 lb/ft ² (1.9 kg/m ²)

PRECAUTIONS:

1. Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
2. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard EcoWhite EPDM membrane. Contact Firestone Technical Services Department for specific recommendations.
3. Refer to Material Safety Data Sheets (MSDS) for safety information.

LEED INFORMATION:

Post Consumer Recycled Content:	0%
Post Industrial Recycled Content:	0%
Manufacturing Locations:	Prescott, AR
Solar Reflectivity*	0.80
Thermal Emittance*	0.84
Solar Reflectance Index (SRI)*	99

* Values were obtained from independent testing by CRRC. SRI was calculated from SRI calculator from the USGBC.



Membrane for Roofing Systems
As to an External Fire Exposure Only
61P2
See UL Directory of Products
Certified for Canada
And UL Roofing Materials
And Systems Directory
R9516



Cool Roof Rating Council Product
Identification Number: 0608-0027

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PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Minimum ASTM Performance</u>	<u>Typical Values</u>
Thickness, min_Sheet-overall	ASTM D 412	specified thickness $\pm 10\%$	0.060" (1.52 mm) $\pm 10\%$
Tensile strength, min	ASTM D 412 (Die C)	1305 psi (9.0 MPa)	1720 psi (11.9 Mpa)
Elongation, ultimate, min	ASTM D 412 (Die C)	300%	510%
Tensile set, max	ASTM D 412 Method A, (Die C)	10%	1.9%
Tear resistance, min	ASTM D 624 (Die C)	150 lbf/in (26.3 kN/m)	173 lbf/in (30.3 kN/m)
Brittleness point, max	ASTM D 2137	-49° F (-45° C)	-69° F (-56° C)
Ozone resistance, no cracks	ASTM D 1149	pass	pass
Heat Aging:	ASTM D 573		
Tensile strength, min	ASTM D 412 (Die C)	1205 psi (8.3 MPa)	1590 (11.0 Mpa)
Elongation, ultimate, min	ASTM D 412 (Die C)	200%	350%
Tear resistance, min	ASTM D 624 (Die C)	125 lbf/in (21.9 kN/m)	162 (28.4 kN/m)
Linear dimensional change, max	ASTM D 1204	$\pm 1.0\%$	-0.20%
Water absorption, max, mass %	ASTM D 471	+8, -2%	3.15%
Factory seam strength, min	ASTM D 816, Method B 50 lbf/in (Modified)	(8.8 kN/m) or sheet failure	sheet failure
Weather resistance:			
Visual inspection	ASTM D 518	pass	pass
PRFSE, min	ASTM D 518	30%	63%
Elongation, ultimate, min	ASTM D 412 (Die C)	200%	350%

RubberGard EcoWhite EPDM membrane meets or exceeds the minimum requirements set forth by ASTM D 4637, and CGSB 37-GP-52M, for Type I, Class A, non-reinforced EPDM single-ply roofing membranes.