

Technical Information Sheet



RubberGutter™ EPDM Membrane

Item Description	Item Number
.045" x 18" x 50' (1.14 mm x 457 mm x 15.2 m)	W56GU41850
.045" x 24" x 50' (1.14 mm x 610 mm x 15.2 m)	W56GU42405
.045" x 24" x 100' (1.14 mm x 610 mm x 30.5 m)	W56GU42410
.045" x 36" x 50' (1.14 mm x 914 mm x 15.2 m)	W56GU43605
.045" x 36" x 100' (1.14 mm x 914 mm x 30.5 m)	W56GU43610
.045" x 48" x 50' (1.14 mm x 1219 mm x 15.2 m)	W56GU44805

Description

Elevate™ RubberGutter EPDM membrane is a non-reinforced, cured, single-ply membrane that can be used for gutter applications.

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 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.

Packaging

- 18" x 50' (457 mm x 15.2 m), 36 rolls per carton, 2700 sf (250.84 m²) per pallet, weight 783 lb (355.16 kg)
- 24" x 50' (610 mm x 15.2 m), 36 rolls per carton, 3600 sf (334.45 m²) per pallet, weight 1044 lb (473.55 kg)
- 24" x 100' (610 mm x 30.5 m), 18 rolls per carton, 3600 sf (334.45 m²) per pallet, weight 1044 lb (473.55 kg)
- 36" x 50' (914 mm x 15.2 m), 36 rolls per carton, 5400 sf (501.68 m²) per pallet, weight 1566 lb (710.33 kg)
- 36" x 100' (914 mm x 30.5 m), 18 rolls per carton, 5400 sf (501.68 m²) per pallet, weight 1566 lb (710.33 kg)
- 48" x 50' (1219 mm x 15.2 m), 30 rolls per carton, 6000 sf (557.42 m²) per pallet, weight 1740 lb (789.25 kg)

Typical Properties (Meets or exceeds ASTM D 4637, Type I)		
Physical Test	ASTM Min. Value	Typ. Value 45 mil
Thickness (D412)	45 mil: 1.143 mm +0.178 mm/-0.127 mm (0.045" +0.007"/-0.005")	1.092 mm (0.043")
Tensile Strength (D412, Die C)	9.0 MPa (1305 psi) Minimum	9.03 MPa (1309 psi)
Dynamic Puncture Resistance @ 5J (D5635)	Pass	Pass
Static Puncture Resistance @ 20 kg (D5602)	Pass	Pass
Elongation, Ultimate % (D412, Die C)	300% Minimum	445%
Tensile set (D412, Method A, Die C)	10% Maximum	0%
Tear Resistance (D624, Die C)	26.27 kN/m (150 lbf/in) Minimum	29.60 kN/m (169 lbf/in)
Brittleness point (D2137)	-45 °C (-49 °F) Maximum	-45 °C (-49 °F)
Ozone resistance, no cracks D1149)	Pass	Pass
Tensile Strength after Heat Aging*	8.3 MPa (1205 psi) Minimum	9.48 MPa (1365 psi)
Elongation, Ultimate after Heat Aging*	200% Minimum	306%
Tear Resistance after Heat Aging*	21.9 kN/m 125 lbf/in Minimum	33.1 kN/m (189 lbf/in)
Linear Dimensional Change after Heat Aging*	± 1%	-1%
Water Absorption by Mass (D471)	+8%/-2%	+1%
Visual Inspection after Xenon-Arc Weather Resistance Exposure**	Pass	Pass
PRFSE, Minimum % after Xenon-Arc Weather Resistance Exposure**	30% Minimum	75%
Elongation, Ultimate, Minimum % after Xenon-Arc Weather Resistance**	200% Minimum	340%

Typical Properties (Meets or exceeds ASTM D 4637, Type I)

Physical Test	ASTM Min. Value	Typ. Value 45 mil
* Heat age 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:	10,080 KJ/(m ² ·nm) @ 340 nm	[1209.6 MJ/(m ² ·nm) @ 300 to 400 nm]

Manufacturing Location: Prescott, AR

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

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