



RubberGard™ Neoprene Membrane



DESCRIPTION:

Firestone RubberGard™ Neoprene Membrane is a self-curing material used as a protection layer over RubberGard EPDM Membrane. The Neoprene is used to protect EPDM roofing systems from rooftop contaminants (i.e., grease, animal fats). Neoprene must be installed in accordance with current Firestone RubberGard specifications.

PREPARATION OF SUBSTRATES:

1. Substrates must be clean, dry, smooth, and free of sharp edges, fins, loose or other materials which may damage the membrane.
2. All roughened surfaces which could 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 Neoprene must be installed in accordance with current RubberGard specifications, details and workmanship requirements.
2. Neoprene may be used to tie-in RubberGard roofs to existing built-up roofs, although the tie-ins are not warranted by Firestone.
3. Neoprene may be used in conjunction with grease catch pans to protect RubberGard roofing system from grease/oil exposure. Consult Firestone for specific precautions and application when contaminants will come in contact with the RubberGard system.
4. Use of heat guns during cold weather will improve workability of membrane, but a wide nozzle should be used and care should be taken not to localize heat, as a hole in the membrane can result.

PACKAGING:

Thickness	Widths	Lengths	Weight
0.060" (1.5 mm)	24" (609 mm)	100' (30.5 m)	.42 lb/ft ² (1.9 kg/m ²)
	48" (1219 mm)	100' (30.5 m)	.42 lb/ft ² (1.9 kg/m ²)

1 roll is packaged in a carton.

STORAGE:

Store in original unopened cartons until ready for use.

PRECAUTIONS:

1. Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
2. Refer to Material Safety Data Sheets (MSDS) for safety information.
3. Neoprene is produced and sold typically in an uncured state and cures after installation. However, cure may take place in warehouse before it is delivered to the rooftop (typically, one year of storage is needed for full cure). If this occurs, the material is still suitable as a protection layer.

LEED INFORMATION:

Post Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 0%
 Manufacturing Locations: Prescott, AR

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PHYSICAL PROPERTIES

<u>Property</u>	<u>Test Method</u>	<u>Minimum ASTM Performance</u>	<u>Typical Values</u>
Vulcanization, at 320 °F (160 °C)	ASTM Practice D 3182	20 ± 2 minutes	20 ± 2 minutes
Thickness, min	ASTM D 412	0.055 in (1.4 mm)	0.055 in (1.4 mm)
Tensile Strength, min	ASTM D 412 (Die C)	1205 psi (8.3 MPa)	1800 psi (12.4 MPa)
Elongation, min	ASTM D 412 (Die C)	250%	425%
Tear Resistance, min	ASTM D 624 (Die C)	125 lbf/in (22 kN/m)	195 lbf/in (35.0 kN/m)
Brittle Point, max	ASTM D 2137	-31 °F (-35 °C)	-34 °F (-37 °C)
Tensile Set, max	ASTM D 412	10%	10%
Ozone Resistance, (7X)	ASTM D 1149	No Cracks	No Cracks
Heat Aging, Air Oven	ASTM D 573		
Tensile Strength, min	ASTM D 412 (Die C)	1205 psi (8.3 MPa)	1600 psi (11.0 MPa)
Elongation, min	ASTM D 412 (Die C)	200%	210%
Tear resistance, min	ASTM D 624 (Die C)	125 lbf/in (22 kN/m)	160 lbf/in (28 kN/m)
Water Absorption, weight change, range	ASTM D 471	+8, -2%	+2.0%
Linear Dimensional Change, max	ASTM D 1204	±2.0%	-1.0%
Weatherability, no cracks or crazing	ASTM D 518	Pass	Pass

Firestone RubberGard Neoprene Membrane meets or exceeds the minimum requirements set forth by ASTM D 4811 for Type II non-reinforced neoprene single-ply roofing flashings after curing.