

TECHNICAL INFORMATION SHEET

RubberGard™ Neoprene Membrane



Item Description

24" X 100' X 0.060"
48" X 100' X 0.060"

Item Number

W563581600
W563581602

Product Information

Description:

Firestone RubberGard Neoprene Membrane is a self-curing material used as a protection layer over RubberGard EPDM Membrane. Neoprene Membrane 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 Substrate:

1. Substrates, to receive Neoprene Membrane, 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" (6.3 mm) wide shall be properly filled with an acceptable fill material.

Product Packaging

<u>Membrane Thickness</u>	<u>Width</u>	<u>Length</u>	<u>Weight</u>
0.060" (1.52 mm)	24" (609 mm) 48" (1218 mm)	100' (30.5 m) 100' (30.5 m)	0.43 lb/ft ² (2.1 kg/m ²)
NOTE: One roll is packaged per carton.			

Method of Application:

1. Install RubberGard Neoprene 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 systems from grease/oil exposure. Consult Firestone for specific precautions and application when contaminants will come in contact with the RubberGard roofing 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 damage to the membrane may result.

Storage:

- Store away from sources of puncture and physical damage.
- Store in original unopened cartons between 60 °F (15.6 °C) and 80 °F (26.7 °C) until ready for use.
- Rotate stock to insure stored material will not extend beyond the shelf life of 12 months from manufacture date.
- Do not store in direct sunlight or elevated temperatures until use, as this hastens cure.

Shelf Life:

Shelf life of twelve months from date of manufacture can be expected when stored at temperature between 60 °F (15.6 °C) and 80 °F (26.7 °C). Shelf life will be shortened if product is exposed to elevated temperatures.

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Precautions:

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- 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 curing occurs, the material is suitable as a cured protection layer.
- 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.

Typical Properties after vulcanization (exposed to 320 °F (160 °C) for 20 ± 2 minutes)

Property	ASTM Standard	Units	Performance Minimum
Thickness, min	D412	in (mm)	0.055 (1.4)
Tensile Strength, min	D412 (Die C)	psi (MPa)	1205 (8.3)
Elongation, min	D412 (Die C)	%	250
Tear Resistance, min	D624 (Die C)	lbf/in (kN/m)	125 (22)
Brittleness Point, max	D2137	°F (°C)	-31 (-35)
Tensile Set, max	D412	%	10
Ozone Resistance (7X)	D1149	---	No Cracks
Heat Aging, Air Oven:	D573	-	
Tensile Strength, min	D412 (Die C)	psi (MPa)	1205 (8.3)
Elongation, ultimate, min	D412 (Die C)	%	200
Tear Resistance, min	D624 (Die C)	lbf/in (kN/m)	125 (22)
Water Absorption, weight change, max	D471	%	+8, -2
Linear Dimensional Change, max	D1204	%	±2
Weatherability, no cracks or crazing	D518	---	Pass

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

Please contact Firestone Technical Services Department at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone 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 Firestone representative is authorized to vary this disclaimer.