RubberGard™ Neoprene Membrane

TIS #106

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 Substrate:

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 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 localize heat, as a hole in the membrane can result.

Storage:

- Store away from sources of punctures and physical damage.

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 this occurs, the material is still suitable as a protection layer.
- Refer to Material Safety Data Sheets (MSDS) for safety information.

Packaging:	Widths[1]	Lengths	Weight
.060"	24"(609 mm)	100' (30.5 m)	0.42 lb/sf (1.9 kg/m²)
	48" (1219 mm)	100' (30.5 m)	0.42 lb/sf (1.9 kg/m²)

[1] One roll is packaged in a carton.

Compliance:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 0%
Manufacturing Location: Prescott, AR

TECHNICAL INFORMATION SHEET

Physical Properties:	*ASTM Standard*	*Units*	*Performance Minimum*	*Typical Values 60 mil*
Vulcanization, at 320 °F (160 °C)	Practice D 3182	Minutes	20 ± 2	20 ± 2
Thickness, minimum	D 412	In. (mm)	0.055 (1.4)	0.055 (1.4)
Tensile Strength, minimum	D 412 (Die C)	Psi (MPa)	1205 (8.3)	1800 (12.4)
Elongation, minimum	D 412 (Die C)	%	250	425
Tear Resistance, minimum	D 624 (Die C)	Lbf/in (kN/m)	125 (22)	195 (35)
Brittleness Point, maximum	D 2137	°F (°C)	-31 (-35)	-34 (-37)
Tensile Set, maximum	D 412	%	10	10
Ozone Resistance, (7X)	D 1149	---	No Cracks	NoCracks
Heat Aging, Air Oven	D 573			
Tensile Strength, minimum	D 412 (Die C)	Psi (MPa)	1205 (8.3)	1600 (11.0)
Elongation, minimum	D 412 (Die C)	%	200	210
Tear Resistance, minimum	D 624 (Die C)	Lbf/in (kN/m)	125 (22)	160 (28)
Water Absorption, weight change, range	D 471	%	+8, -2	+ 2
Linear Dimensional Change, maximum	D 1204	%	±2	-1.0
Weatherability, no cracks or crazing	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.

Please Contact your Firestone Technical Coordinator at 1-800-428-4511 for further information.