Technical Information Sheet

Image Coming Soon

RubberGard™ LSFR PT

Item Description	Item Number
One Roll	Various

Description

RubberGard LSFR PT is non-reinforced Low Slope Fire Retardant EPDM membrane panel with 3" (76 mm) or 6" (152 mm) wide QuickSeam™ tape factory laminated continuously along one 100' (30.5 m) length of the panel. The pre-applied tape assists and accelerates field installation of RubberGard membrane in fully adhered, ballasted, and mechanically anchored systems.

Product Packaging

Membrane	Width	Length	Weight
.060 mil, 3" (76 mm) tape, no fold	10′ (3.05 m)	100' (30.5 m)	0.39 lb/ft2 (1.9 kg/m^2)
.060 mil, 3" (76 mm) tape, no fold	16′8" (5.1 m)	100' (30.5 m)	0.39 lb/ft2 (1.9 kg/m^2)
.060 mil, 3" (76 mm) tape, one-fold	30′ (9.1 m)	100' (30.5 m)	0.39 lb/ft2 (1.9 kg/m^2)
.060 mil, 6" (152 mm) tape, no fold	10′ (3.05 m)	100' (30.5 m)	0.44 lb/ft2 (2.15 kg/m^2)
.060 mil, 6" (152 mm) tape, one-fold	16′8" (5.1 m)	100' (30.5 m)	0.44 lb/ft2 (2.15 kg/m^2)
.060 mil, 6" (152 mm) tape, one-fold	20′ (6.10 m)	100' (30.5 m)	0.44 lb/ft2 (2.15 kg/m^2)
.060 mil, 6" (152 mm) tape, one-fold	30′ (9.1 m)	100' (30.5 m)	0.44 lb/ft2 (2.15 kg/m^2)

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

Method of Application

1. RubberGard LSFR PT membrane must be installed in accordance with current RubberGard specifications, details, and workmanship requirements.

Method of Application Continued

2. After the membrane has been mechanically attached or adhered to specification, fold back the top portion of the field seam exposing the bottom surface of the field seam. Prime the field seam area to receive tape with an acceptable Elevate primer utilizing QuickScrubber™ or QuickScrubber Plus pad and handle, using a minimum of four back and forth motions with heavy pressure. Extra scrubbing is required at factory seams (including parallel scrubbing at factory seams) and areas of heavy dusting agent build up.
3. Allow primer to flash off (usually less than 10 minutes). Use the touch-push test to determine primer readiness.
4. When primer is ready to receive tape, position the top portion of the field seam (with pre-applied tape and release liner in place) over the primed area. Remove the release liner from the pre-applied tape, pulling the liner at a 45° angle at about the same level as the seam so all seam elements mate evenly. Roll the freshly mated field seam using QuickRoller™ or 1 ½" (38 mm) wide silicone hand roller to promote and ensure proper adhesion.
5. Install T-Joint patches at all seam intersections and complete seam edge treatment where required per current specifications

Storage

- Store away from sources of punctures and physical damage.
- Store away from ignition sources as membrane will burn when exposed to open flame.
- RubberGard LSFR PT membrane should be installed within one year after production. If the tape release liner can be removed, even after one year, the membrane can still be installed. Store in original unopened packaging indoors at 60 °F to 80 °F (16 °C to 27 °C). Protect the membrane and tape from physical damage.

Shelf Life

One Year when stored between 60 °F and 80 °F (16 °C to 27 °C) out of direct sunlight.

Precautions

- Take care when moving, transporting, handling, etc. to avoid 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.
- 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 - Membrane

Physical Test	ASTM Minimum Value	Typical Performance
Thickness (D412)	1.52 mm +0.229 mm / -0.152 mm (0.060" +0.009" / -0.006")	1.37 mm (0.054")
Tensile Strength (D412, Die C)	9.0 MPa (1305 psi) Minimum	9.09 MPa (1319 psi)
Dynamic Puncture Resistance @ 5J (D5635)	Pass	Pass
Static Puncture Resistance @ 20 kg (D5602)	Pass	Pass
Elongation, Ultimate % (D412, Die C)	300% Minimum	480%
Tensile set (D412, Method A, Die C)	10% Maximum	Pass
Tear Resistance (D624, Die C)	26.27 kN/m (150 lbf/in) Minimum	29.25 kN/m (167 lbf/in)
Brittleness point (D2137)	-45 °C (-49 °F) Maximum	Pass
Ozone resistance, no cracks D1149)	Pass	Pass
Tensile Strength after Heat Aging*	8.3 MPa (1205 psi) Minimum	Pass
Elongation, Ultimate after Heat Aging*	200% Minimum	Pass
Tear Resistance after Heat Aging*	21.9 kN/m 125 lbf/in Minimum	Pass
Linear Dimensional Change after Heat Aging*	± 1%	Pass
Water Absorption by Mass (D471)	+8%/-2%	Pass
Visual Inspection after Xenon-Arc Weather Resistance Exposure**	Pass	Pass
PRFSE, Minimum % after Xenon-Arc Weather Resistance Exposure**	30% Minimum	Pass
Elongation, Ultimate, Minimum % after Xenon-Arc Weather Resistance**	200% Minimum	Pass

* 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/(m2·nm) @ 340 nm [42 to 84 W/(m2·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/(m2·nm) @ 340 nm [37.8 MJ/(m2·nm) @ 300 to 400 nm]
Exposure:	10,080 KJ/(m2·nm) @ 340 nm [1209.6 MJ/(m2·nm) @ 300 to 400 nm]

RubberGard LS-FR membrane meets or exceeds the minimum requirements set forth by ASTM D 4637 for Type I non-reinforced EPDM single-ply roofing membranes.

Typical Properties – Seam Tape

Property	Value
Base	Rubber Polymers
Color	Black
Solvents	None
Percent Solids	100%
Cure State	Cured
Thickness	0.035" ± 0.008" (0.89 mm ± 0.20 mm)
Widths	3" -0" / +0.125" (76 mm -0 / +1.6 mm) 6" -0" / +0.125" (152 mm -0 / +3.2 mm)

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