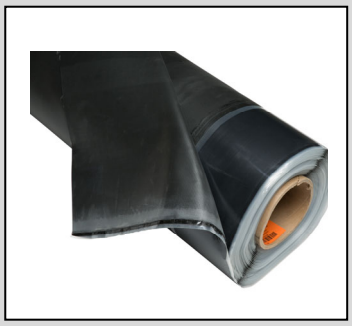
Technical Information Sheet



RubberGard™ MAX PT Membrane

Item Description	Item Number
Reinforced Pre-Taped EPDM Panel	Various

Description

RubberGard MAX PT membrane features RubberGard Max (reinforced) EPDM membrane with factory laminated 6" (152 mm) or 3" (76 mm) wide QuickSeam™ tape extending continuously along one 100′ (30.5 m) edge of the panel. The pre-applied tape extends slightly beyond the edge of the MAX PT membrane to form a selvage edge.

Packaging

Membrane	Tape	Size	Item Number
75 mil MAX PT EPDM Panel	6" (152 mm)	10' x 100' (3 m x 30.5 m)	W56ST71010
60 mil MAX PT EPDM Panel	6" (152 mm)	10' x 100' (3 m x 30.5 m)	W56ST61010
60 mil MAX PT EPDM Panel	3" (76 mm)	10' x 100' (3 m x 30.5 m)	W56ST61013
45 mil MAX PT EPDM Panel	6" (152 mm)	10' x 100' (3 m x 30.5 m)	W56ST41010

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 necessary to offer a smooth substrate.
3. All surface voids greater than ¼" (6.4 mm) wide shall be properly filled with an acceptable filler material.

Method of Application

1. Prepare the substrate to receive the ballasted, fully adhered or mechanically attached system per current Elevate specifications.

Method of Application Continued

2. Unroll and position the RubberGard MAX PT membrane so field seams form in shingle fashion, not "bucking" water, with finished lap edges facing downslope. Remove and discard spacers included in each panel of RubberGard MAX PT. Allow RubberGard MAX PT membrane to relax. The bottom RubberGard MAX PT panel must be attached along the leading edge prior to seaming in a mechanically attached system. Lap the top panel (tape side) over the lower panel and align to lap marks.
3. Fold back the top panel back exposing the bottom surface of the field seam that has been anchored. Prime the MAX membrane field seam area to receive tape with an acceptable Elevate primer, using QuickScrubber™ or QuickScrubber Plus pad as required by Elevate application specifications, ensuring that the area to receive tape is completely and thoroughly primed. 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 about the same level as the seam so all seam elements mate evenly. Roll the freshly mated field seam using a 1½" (38 mm) wide silicone hand roller to promote and ensure proper adhesion.
5. Field seams along the panel widths, and cut/trimmed membrane edges, shall be completed per current specifications and details using QuickSeam tape. Cut edges shall receive RubberGard Seam Edge Treatment per current specifications and details.

Storage

- Store away from sources of punctures and physical damage.
- Store away from ignition sources as membrane will burn when exposed to open flame.
- MAX PT membrane should be installed within one year after production. Store in original unopened packaging indoors at 60 °F to 80 °F (15.6 °C to 26.7 °C). Protect the membrane and tape from physical damage.

Shelf Life

One year when stored between 60 °F to 80 °F (15.6 °C to 26.7 °C) out of direct sunlight.

Precautions

- Review Safety Data Sheets (SDS) prior to use.
- 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.

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

Physical Test	ASTM Min. Value	Typical Performance 45 mil	60 mil	75 mil
Thickness (D412)	1.143 mm +0.178 mm/-0.127 mm (0.045″ +0.007″/-0.005″)	1.168 mm (0.046″)	---	---
	1.52 mm +0.229 mm/-0.152 mm (0.060″ +0.009″/-0.006″)	---	1.473 mm (0.058″)	---
	1.90 mm +0.279 mm/-0.203 mm (0.075″ +0.011″/-0.008″)	---	---	1.956 mm (0.077″)
EPDM Coating over Scrim (D7635)	0.38 mm (0.015″)	0.559 mm (0.022″)	0.762 mm (0.030″)	0.838 mm (0.033″)
Breaking Strength (D751, Grab Method)	400 N (90 lbf)	969.7 N (218 lbf)	880.7 N (198 lbf)	1063.1 N (239 lbf)
Dynamic Puncture Resistance @ 10 J (D5635)	Pass	Pass	Pass	Pass
Static Puncture Resistance @ 25 kg (D5602)	Pass	Pass	Pass	Pass
Elongation, Ultimate (D412, Die C)	250% Minimum (EPDM only; no scrim)	577%	Pass	Pass
Elongation @ fabric break (Ultimate) (D751, Grab Method)	15% MD 15% CD	26.7% MD 35.2% CD	28.0% MD 30.2% CD	27.1% MD 36.3% CD
Tear Strength (D751, B- Tongue Tear)	45 N (10 lbf) Minimum	516.0 N (116 lbf)	516.0 N (116 lbf)	498.2 N (112 lbf)
Brittleness Point (D2137)	-45 °C (-49 °F) Maximum	Pass	Pass	Pass
Ozone Resistance, no cracks (D1149)	Pass	Pass	Pass	Pass
Breaking Strength after Heat Aging*	356 N (80 lbf)	1072.0 N (241 lbf)	Pass	Pass
Elongation, Ultimate after Heat Aging*	200% Minimum (EPDM only; no scrim)	517 %	Pass	Pass
Linear Dimensional Change after Heat Aging*	±1%	-0.8%	Pass	Pass
Water Absorption by Mass	+8 / -2 % (EPDM only; no scrim)	+1.0%	Pass	Pass
Factory Seam Strength (D816, Method B)	8.8 kN/m (50 lbf/in) or sheet failure	N/A (no factory seams)	N/A (no factory seams)	N/A (no factory seams)
Visual Inspection after Xenon-Arc Exposure**	Pass	Pass	Pass	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]

For use of the product as a component in an air barrier assembly, please consult your Regional Technical Coordinator, Code Agency or Authority having Jurisdiction (AHJ) for the acceptable air barrier assembly details.

NOTE: RubberGard MAX PT membrane meets or exceeds ASTM D 4637, Type II scrim-reinforced EPDM single-ply roofing membranes.

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