

Technical Information Sheet



RubberGard™ Platinum EPDM PT Membrane

Item Description	Item Number
One Roll	Various

Description

RubberGard Platinum PT is a non-reinforced 90-mil EPDM membrane panel with 3" (76 mm) or 6" (152 mm) wide QuickSeam™ tape factory laminated continuously along one lengthwise edge of the panel. The pre-applied tape is flush with the edge of the membrane.

Product Packaging			
Membrane	Width	Length	Weight
.090 mil, 3" (76 mm) tape	10' (3.05 m)	50' (15.25 m)	0.63 lb/ft ² (3.08 kg/m ²)
.090 mil, 3" (76 mm) tape	10' (3.05 m)	100' (30.5 m)	0.63 lb/ft ² (3.08 kg/m ²)
.090 mil, 6" (152 mm) tape	10' (3.05 m)	50' (15.2 m)	0.63 lb/ft ² (3.08 kg/m ²)
.090 mil, 6" (152 mm) tape	10' (3.05 m)	100' (30.5 m)	0.63 lb/ft ² (3.08 kg/m ²)
.090 mil, 6" (152 mm) tape	16' 8" (5.1 m)	100' (30.5 m)	0.63 lb/ft ² (3.08 kg/m ²)

Product Preparation

- 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.
- All roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
- All surface voids greater than 1/4" (6 mm) wide shall be properly filled with an acceptable fill material.

Method of Application

- Prepare the substrate to receive the RubberGard Platinum EPDM PT membrane per current Elevate specifications.
- The protective shroud on each roll is labeled to indicate the direction that the panel should be unrolled.

Method of Application Continued

3. Unroll and position the RubberGard Platinum PT membrane so field seams form in shingle fashion, not “bucking” water, with finished lap edges facing down-slope. Remove and discard spacers included in each panel of RubberGard Platinum PT. Allow membrane to relax. The bottom panel must be attached along the leading edge prior to seaming. Lap the top panel (tape side) over the lower panel and align to lap marks.
4. Fold back the top panel exposing the bottom surface of the field seam that has been anchored. Prime the membrane field seam area to receive tape with an acceptable Elevate primer utilizing 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.
5. When the 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 1 ½" (38 mm) wide silicone hand roller to promote and ensure proper adhesion.
6. 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 Elevate Seam Edge Treatment per current specifications and details.

Storage

- Store away from 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.
- Store away from ignition sources as membrane will burn when exposed to open flame.
- Platinum 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 tape portion from physical damage, and the Platinum PT membrane from puncture sources.

Precautions

- Take care when moving, transporting, handling, etc. to avoid sources of punctures and physical damage.
- Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the RubberGard EPDM membrane.
- 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 (ASTM D 4637)		
Physical Test	ASTM Minimum Value	Typical Value
Thickness (D412)	2.286 mm +0.343 mm/-0.229 mm (.090" +0.0135"/-0.009")	2.286 (0.090")
Tensile Strength (D412, Die C)	9.0 MPa (1305 psi) Minimum	9.5 Mpa (1371 psi)
Dynamic Puncture Resistance @ 5J (D5635)	Pass	Pass
Static Puncture Resistance @ 20 kg (44.1 lbf) D5602)	Pass	Pass
Elongation, Ultimate % (D412, Die C)	300% Minimum	495%
Tensile Set (D412, Method A, Die C, 50% elongation)	10% Maximum	Pass
Tear Resistance D624, Die C)	26.27 kN/m (150 lbf/in) Minimum	36.25 kN/m (207 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	+8%/-2%	Pass
Visual Inspection after Xenon-Arc Weather Resistance**	Pass	Pass
PRFSE, minimum % after Xenon-Arc Weather Resistance**	30% Minimum	Pass
Elongation, ultimate, minimum % after Xenon-Arc Weather Resistance**	200% Minimum	Pass
* Heat age Platinum 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/(m ² ·nm) @ 340 nm [42 to 84 W/(m ² ·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/(m ² ·nm) @ 340 nm [37.8 MJ/(m ² ·nm) @ 300 to 400 nm] Exposure: 10,080 KJ/(m ² ·nm) @ 340 nm (1209.6 MJ/m ² at 300 to 400 nm)		

NOTE: The ASTM 2178 values listed are for the air permeance of the RubberGard membrane component only. 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.

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)
Width	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.

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