

Technical Information Sheet

Image Coming Soon

RubberGard™ EcoWhite™ Platinum PT EPDM Membrane

Item Description	Item Number
10' x 100' x 3" (3 m x 30.5 m x 76 mm)	W56BLT91010B
10' x 100' x 6" (3 m x 30.5 m x 152 mm)	W56BLT910106B

Description

RubberGard EcoWhite Platinum PT is non-reinforced white EPDM membrane, no-fold panel with 3" (76 mm) or 6" (152 mm) wide QuickSeam™ tape factory laminated continuously along lengthwise edge of the panel. The factory-applied tape assists and accelerates field installation of EcoWhite membrane in fully adhered applications.

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

Method of Application

1. Prepare the substrate to receive the EcoWhite Platinum PT membrane per current Elevate specifications.
2. EcoWhite Platinum PT is folded once, and then wound one panel per core, with the tape portion facing out. Unrolling the EcoWhite Platinum PT panel results in the tape portion facing down. Outer protective wrapping of EcoWhite Platinum PT indicates the unrolling direction, as well as the location of the pre-applied tape on the EcoWhite Platinum PT membrane.
3. Unroll and position the EcoWhite Platinum PT membrane so field seams form in shingle fashion, not "bucking" water, with finished lap edges facing down slope. Allow EcoWhite Platinum PT membrane to relax. EcoWhite Platinum PT used in adhered systems should be fully adhered prior to making field seams.

Method of Application Continued

4. After membrane has bonded, fold back the top portion of the field seam exposing the bottom surface of the field seam. Prime the membrane field seam area to receive tape with an acceptable Elevate Single Ply Primer utilizing QuickScrubber™ or QuickScrubber Plus pad and handle using a minimum of four back and forth motions with heavy pressure. Extra scrubbing should be done at factory seams (including parallel scrubbing at factory seams) and areas of heavy dusting agent build up. Allow primer to dry completely. 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 QuickRoller™ or 1/2" (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 Firestone 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.
- EcoWhite Platinum 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.

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

		<u>Initial</u>	<u>CRRC Rapid Rating</u>
	Solar Reflectance	0.77	0.65
	Thermal Emittance	0.86	0.87
	SRI	95	78
	Rated Product ID Number	0065	
Licensed Seller ID Number	0608		
Classification	Production Line		
Cool Roof Rating Council ratings are determined for a fixed set of conditions and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary. Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.			

Compliance:	Test Method	Result
Solar Reflectance**	ASTM E903	0.77
Thermal Emittance**	ASTM E408	0.86
Solar Reflectance Index (SRI)***	ASTM E1980	95

**Values were obtained from independent testing by Atlas Material Testing DSET Laboratories
 ***SRI was calculated using the SRI calculator from the USGBC

Typical Properties (ASTM D 4637)		
Physical Test	ASTM Minimum Value	Typical Value
Thickness (D412)	2.286 mm +0.356 mm/-0.229 mm (0.090" +0.014"/-0.009")	2.235 mm (0.088")
Tensile Strength (D412, Die C)	9.0 MPa (1305 psi) Minimum	11.0 MPa (1597 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	33.97 kN/m (194 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 EcoWhite 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:	2520 KJ/(m ² ·nm) @ 340 nm [302.4 MJ/(m ² ·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.		

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

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