

GENFLEX AFR PT EPDM Membrane

Item Description

1 Roll

Item Number

Various

Product Information

Description

GenFlex AFR PT EPDM Membrane is a non-reinforced Low Slope Fire Retardant EPDM membrane panel with 3" (76.2 mm) or 6" (152.4 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.

Preparation of Substrates

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.

Packaging Data			
Membrane Thickness	Width	Length	Weight
.060 mil, 3" (76.2 mm) tape	10' (3.05 m)	100' (30.5 m)	0.39 lbs/ft ² (1.9 kg/m ²)
	16' 8" (5.1 m)		
	20' (6.1 m)		
	30' (9.1 m)		
.090 mil, 3" (76.2 mm) tape	10' (3.05 m)	100' (30.5 m)	0.58 lbs/ft ² (2.8 kg/m ²)
.090 mil, 6" (152.4 mm) tape	10' (3.05 m)		

Pre-Taped Seam Assembly

1. GenFlex AFR PT membrane must be installed in accordance with current GenFlex specifications, details and workmanship requirements.
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 GenFlex primer utilizing a GenFlex scrub 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 a 1½" (38.1 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.
- GenFlex AFR 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.
- 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 Locations: Prescott, AR

*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.



CCMC 13266-L



Typical Properties			
Physical Test	ASTM Minimum Value	Typical Value 60 mil	Typical Value 90 mil
Thickness (D412)	1.52 mm +0.229 mm/-0.152 mm (0.060" +0.009"/-0.006")	1.37 mm (0.054")	2.286 (0.090")
	2.286 mm +0.343 mm/-0.229 mm (.090" +0.0135"/-0.009")		
Tensile Strength (D412, Die C)	9.0 MPa (1305 psi) Minimum	9.09 MPa (1319 psi)	9.5 Mpa (1371 psi)
Dynamic Puncture Resistance @ 5J (D5635)	Pass	Pass	Pass
Static Puncture Resistance @ 20 kg (D5602)	Pass	Pass	Pass
Elongation, Ultimate % (D412, Die C)	300% Minimum	480%	495%
Tensile set (D412, Method A, Die C)	10% Maximum	Pass	Pass
Tear Resistance (D624, Die C)	26.27 kN/m (150 lbf/in) Minimum	29.25 kN/m (167 lbf/in)	36.25 kN/m (207 lbf/in)
Brittleness point (D2137)	-45 °C (-49 °F) Maximum	Pass	Pass
Ozone resistance, no cracks D1149)	Pass	Pass	Pass
Tensile Strength after Heat Aging*	8.3 MPa (1205 psi) Minimum	Pass	Pass
Elongation, Ultimate after Heat Aging*	200% Minimum	Pass	Pass
Tear Resistance after Heat Aging*	21.9 kN/m 125 lbf/in Minimum	Pass	Pass
Linear Dimensional Change after Heat Aging*	± 1%	Pass	Pass
Water Absorption by Mass (D471)	+8%/-2%	Pass	Pass
Visual Inspection after Xenon-Arc Weather Resistance Exposure**	Pass	Pass	Pass
PRFSE, Minimum % after Xenon-Arc Weather Resistance Exposure**	30% Minimum	Pass	Pass
Elongation, Ultimate, Minimum % after Xenon-Arc Weather Resistance**	200% Minimum	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: <u>Filter Type:</u> Daylight <u>Irradiance:</u> 0.35 to 0.70 W/(m ² ·nm) @ 340 nm [42 to 84 W/(m ² ·nm) @ 300 to 400 nm] <u>Cycle:</u> 690 minutes ± 15 minutes light, 30 minutes light plus water spray <u>Un-insulated Black Panel Temp:</u> 176° ± 4°F (80° ± 2°C) <u>Relative Humidity:</u> 50% ± 5% <u>Spray Water:</u> De-ionized <u>Specimen Rotation:</u> Every 315 KJ/(m ² ·nm) @ 340 nm [37.8 MJ/(m ² ·nm) @ 300 to 400 nm] <u>Exposure:</u> 10,080 KJ/(m ² ·nm) @ 340 nm [1209.6 MJ/(m ² ·nm) @ 300 to 400 nm]			
GenFlex AFR PT EPDM Membrane meets or exceeds the minimum requirements set forth by ASTM D 4637 for Type I non-reinforced EPDM single-ply roofing membranes.			

Typical Data	
Property	Value
QuickSeam Tape:	
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 Quality Building Services Technical Department at 1-800-443-4272 option 1, for further information.

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