

GenFlex EZ TPO PLUS MEMBRANE

Item Description

White	5'x100'
White	8'x100'
White	10'x100'
White	6.2'x100'
White	12.4'x100'
Gray	5'x100'
Gray	8'x100'
Gray	10'x100'
Tan/Tan HR	5'x100'
Tan/Tan HR	8'x100'
Tan/Tan HR	10'x100'

Item Number

W59GFW1805
W59GFW1808
W59GFW1810
W59GFW1806
W59GFW1812
W59GFG1805
W59GFG1808
W59GFG1810
W59GFT1805/W59GFLT1805
W59GFT1808/W59GFLT1808
W59GFT1810/W59GFLT1810



Product Information

Description

GenFlex EZ TPO Plus Membrane is a flexible, 0.080" (2.03 mm) thick, Thermoplastic Polyolefin (TPO) roofing membrane. It is reinforced with a polyester, weft-inserted scrim. This reflective, heat-weldable membrane is available in white tan and gray, and widths up to 12'4" (3.8 m). GenFlex EZ TPO Plus Membrane is suitable for a variety of low-slope applications.

Product Data

Property	Value
Membrane Thickness	.080" (2.03 mm)
Membrane Weight	0.38 lb/ft ² (1.9 kg/m ²)
Available Colors	White, Gray, Tan/Tan HR

Method of Application

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 rough 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.
4. Install GenFlex EZ TPO Plus Roofing Membrane in accordance with current GenFlex EZ TPO specifications. The membrane may be mechanically attached, or adhered using an approved GenFlex Bonding Adhesive.

*LEED® Information

Recycled Content:

Post Consumer	0%
Pre-Consumer	15%

Manufacturing Location: Tuscumbia, AL
Wellford, SC

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



Typical Properties

Property	ASTM STANDARD	PERFORMANCE MINIMUM	TYPICAL PERFORMANCE
Overall Thickness	D 751	0.039" (1.0 mm)	0.080" (2.03 mm) ± 10%
Coating Over Scrim	D 7635	0.015" (0.381 mm)	0.033" (0.84 mm)
Breaking Strength	D 751, Grab Method	220 lbf (979 N)	460 lbf (2,046 N)
Elongation of Reinforcement Break	D 751, Grab Method	15%	25%
Tearing Strength	D 751	55 lbf (245 N)	120 lbf (534 N)
Brittleness Point	D 2137	-40 °F (-40 °C)	Pass
Ozone Resistance, No Cracks	D 1149	Pass	Pass

Typical Properties After Heat Aging (Retained Values) ASTM D 573 670 h at 240 °F (166 °C)

Property	ASTM STANDARD	PERFORMANCE MINIMUM	TYPICAL PERFORMANCE
Breaking Strength	D 751, Grab Method	90% Minimum	> 90%
Elongation at Break	D 751, Grab Method	90% Minimum	> 90%
Tearing Strength	D 751	60% Minimum	> 60%
Weight of Change		± 1% Minimum	< 1%
Linear Dimension Change	D 1204, 6 h at 158 °F (70 °C)	± 1% Maximum	< 1%
Water Absorption:	D 471	± 3% Maximum	< 3%
Weather Resistance, 80 °C Black Panel, no cracking, crazing when wrapped around a 3" mandrel & inspected at 7X magnification:	G 155	> 60,000 kJ/m ²	> 60,000 kJ/m ²
Puncture Resistance	FTM 101C, Method 2031	----	450 lbf (2,002 N)
Dynamic Puncture Resistance MD	D 5635	----	Pass (60 J)
Dynamic Puncture Resistance CD	D 5635	----	Pass (60 J)
Static Puncture Resistance	D 5602	----	Pass (25 kg)
Air Permeance (material)	E 2178*	ft ³ /ft ² (L/(s·m ²))	Pass

**The ASTM 2178 values listed are for the air permeance of the GenFlex EZ TPO Plus component only. For use of the product as a component in an air barrier assembly, please consult your GenFlex Technical Advisor, Code Agency or Authority having Jurisdiction (AHJ) for the acceptable air barrier assembly details.*

Radiative Properties

Cool Roof Rating Council: Initial/3 Year	White	Gray	Tan	Light Tan* (HR)
Solar Reflectance	0.79 / 0.68	0.34 / 0.34	0.61 / 0.55	0.73 / 0.63*
Thermal Emittance	0.85 / 0.83	0.89 / 0.88	0.81 / 0.84	0.90 / 0.90*
Solar Reflectance Index (SRI)	98 / 81	37 / 36	71 / 63	90 / 77*
Related Product ID	0011	0013	0014	TBD
Licensed Manufacturer ID	0632	0632	0632	TBD
Classification	Production Line	Production Line	Production Line	Production Line

*Light Tan data determined by testing conducted by PRI Construction Materials Technologies LLC

Energy Star®: Initial/3 Year	White	Gray	Tan	Light Tan* (HR)
Solar Reflectance	0.79 / 0.78*	---	0.6	---
Thermal Emittance	0.85 / 0.83	---	0.81	---
<i>*White membrane sample cleaned prior to age test</i>				

LEED®:	White	Gray	Tan	Light Tan* (HR)
Solar Reflectance	0.81	0.37	0.63	---
Thermal Emittance	0.95	0.95	0.95	---
Solar Reflectance Index (SRI)-ASTM E 1980	102	43	77	---



ENERGY STAR is only valid in the United States

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.

Precautionary Data

- Refer to Safety Data Sheets (SDS) for safety information.
- Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage.
- Contact your GenFlex Technical Advisor at 1-800-443-4272 for specific recommendations regarding chemical or waste product compatibility with GenFlex EZ TPO Plus Membrane.