

## 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	5'x100'
Tan	8'x100'
Tan	10'x100'

### Item Number

W59GFW1805
W59GFW1808
W59GFW1810
W59GFW1806
W59GFW1812
W59GFG1805
W59GFG1808
W59GFG1810
W59GFT1805
W59GFT1808
W59GFT1810



## 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 membrane is suitable for a variety of low-slope applications.

### Product Data

Property	Value
Membrane Thickness	.080" (2.03 mm)
Membrane Weight	0.42 lb/ft <sup>2</sup> (2.1 kg/m <sup>2</sup> )
Available Colors	White, Gray, Tan

### 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 roughened surfaces that can damage the membrane shall be repaired as specified to offer a smooth substrate.
3. All surface voids greater than ¼" (6.3 mm) wide shall be properly filled with an acceptable fill material.
4. GenFlex EZ TPO Plus Membrane may be fully adhered using GenFlex All Purpose Water Based Bonding Adhesive, or hot asphalt. GenFlex EZ TPO Plus Membrane can also be mechanically attached.

### \*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	10,800 kJ/m <sup>2</sup> Minimum	> 20,160 kJ/m <sup>2</sup>
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	----	----
Air Permeance (material)	E 2178*		

*\*The ASTM 2178 values listed are for the air permeance of the EZ Peel & Stick™ TPO SA (HW) component only. For use of the product as a component in an air barrier assembly, please consult your Firestone Building Systems Advisor (BSA), 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
Solar Reflectance:	0.79 / 0.68	0.34/0.34	0.61/0.55
Thermal Emittance:	0.85 / 0.83	0.89/0.88	0.81/0.84
Solar Reflectance Index (SRI):	98 / 81	37/36	71/63
Related Product ID:	0011	0013	0014
Licensed Manufacturer ID:	0632	0632	0632
Classification:	Production Line	Production Line	Production Line

Energy Star®: Initial/3 Year	White	Gray	Tan
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
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 Roof Systems Advisor at 1-800-428-4511 for specific recommendations regarding chemical or waste product compatibility with GenFlex EZ TPO Plus Membrane.

Please contact Quality Building Services Technical Department at 1-800-443-4272 option 1, for further information.

*This sheet is meant to highlight GenFlex products and specifications and is subject to change without notice. GenFlex takes responsibility for furnishing quality materials which meet published GenFlex product specifications. Neither GenFlex nor its representatives practice architecture. GenFlex offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. GenFlex accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No GenFlex representative is authorized to vary this disclaimer.*