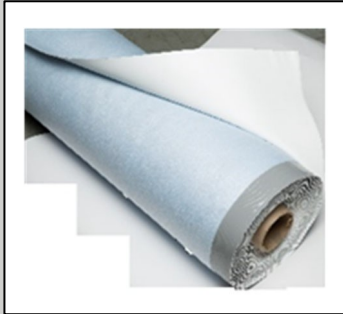


Product Data Sheet



GenFlex EZ Fleece Backed TPO Membrane

Item Description		Item Number
White, 45 mil	10' x 100' (3.05 m x 30.48 m)	W590MWF410
White, 60 mil	10' x 100' (3.05 m x 30.48 m)	W590MWF610
Gray, 60 mil	10' x 100' (3.05 m x 30.48 m)	W590MWFGM610
Tan HR, 60 mil	10' x 100' (3.05 m x 30.48 m)	W59GFLTFM610

Description

GenFlex Fleece Backed TPO membranes meet or exceed all of the requirements of ASTM D 6878 Thermoplastic Polyolefin Membranes. The membrane is internally reinforced with a weft inserted polyester scrim and externally with an 8 oz polyester fleece backing. GenFlex Fleece Backed TPO membrane can be fully adhered to a variety of approved substrates with GenFlex FB Bonding Adhesive LVOC.

Method of Application

Consult current GenFlex TPO specifications and GenFlex TPO FB Bonding Adhesive LVOC product data sheet for installation requirements.

Preparation of Substrates

- Substrates must be clean, dry, smooth, free of sharp edges and fins, loose or foreign materials, oil, grease, or other materials which may damage the membrane.
- All rough surfaces which could damage the membrane shall be repaired as specified to offer a smooth substrate.
- All surface voids greater than ¼" (6.35 mm) wide shall be properly filled with an acceptable material.

Storage

- Product must be stored in original wrapper and kept dry until use.
- Opened material must be installed or stored in a clean dry place off the ground and tarped.
- Store TPO off the ground and cover with tarps.

Precautions

- To avoid sources of punctures and physical damage, take care when moving, transporting, or handling.
- Should membrane get wet, open the roll, turn it over and allow to dry completely before installation.
- Exercise caution when lifting, moving, transporting, storing or handling membrane rolls to avoid sources of punctures and possible physical damage. Repair any wrapper tears or punctures to protect from moisture.
- Refer to Safety Data Sheet for additional information.

LEED® Information

Post-Consumer Recycled Content: 0%
 Post Industrial Recycled Content: 15%
 Manufacturing Location: Tuscumbia, AL



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

Typical Properties		
Property	ASTM Test Method	Typical Value
Thickness	D 751	45 mil (1.14 mm) ± 10% 60 mil (1.52 mm) ± 10%
Membrane Weight		45 mil – 0.27 lb/ft ² (1.3 kg/m ²) 60 mil – 0.32 lb/ft ² (1.6 kg/m ²)
Breaking Strength, min, lbf (N)	D 751	220 lbf (979 N)
Elongation of Reinforcement Break, min %	D 751	15%
Tearing Strength, min, lbf (N)	D 751	55 lbf (245 N)
Brittleness Point	D 2137	-40 °F (-40 °C)
Ozone Resistance, No Cracks	D 1149	Pass
Properties after heat aging: (retained values)	D 753	---
Breaking Strength	D 751	90% minimum
Elongation at Reinforcement break	D 751	90% minimum
Tearing Strength	D 751	60% minimum
Weight of Change (mass)	D 751	± 1% maximum
Linear Dimension Change	D 1204	± 1% maximum
Factory Seam Strength, lbf (N)	D751	65 (289)
Weather Resistance		
• Visual	G 155	Pass
• Breaking Strength, % min	90	90
• Elongation at Reinforcement Break, min, %	90	90
Water Vapor Permeance – Perm	E 96	0.0122
Puncture Resistance	FTM 101C, Method 2031	372 lbf (1654 N)
Solar Reflectance	C 1549	.79

Cool Roof Rating Council			
Property	White	Gray	Tan HR
Solar Reflectance Initial	0.80	0.34	0.73
Solar Reflectance Weathered	0.70	0.34	0.66
Thermal Emittance Initial	0.78	0.89	0.90
Thermal Emittance Weathered	0.81	0.88	0.91
Solar Reflectance Index (SRI)	98 / 84	37 / 36	90 / 81



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

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