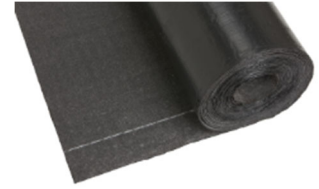


APP 160

Item Description
1 Roll (1.5 square)

Item Number
W80APP0162



Product Information

Description

APP 160 is a smooth-surface APP modified bitumen membrane designed to be heat-welded. It consists of select asphalt, modified with atactic polypropylene, and strengthened with a fiber glass reinforced non-woven polyester mat [190 g/m² (3.9 lb/100 ft²)] made with 100 % recycled PET fibers. The combination results in a flexible and durable material that exceeds the performance requirements of ASTM D 6222 Type I, Grade S APP 160 is strong and stable, and resistant to natural forces and other factors on the rooftop. It is ideal for both new construction and re-roofing applications such as a base ply, cap sheet, or as a flashing sheet in single or multi-ply APP applications.

NOTE: Meets or exceeds performance requirements of ASTM D 6222, Type I, Grade S.

Product Packaging

Property	Value	Property	Value
Roll Width	3 ft 3 in (1 m)	Pallet Size	48 x 39 in (1.2 x 1 m)
Roll Length	32 ft 10 in (10 m)	Rolls per Pallet	20
Net Coverage	98 ft ² (9.1 m ²)	Weight per Pallet	2,210 lb (1002.44 kg)
Roll Weight	110.5 lb (50.12 kg)		

Installation

Refer to current GenFlex Technical Specifications for additional instructions.

IMPORTANT: Ensure the receiving surfaces are free of debris and no moisture is present.

1. APP 160 must be installed by fully heat welding the membrane to an approved substrate.
2. Please reference the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the application of APP 160.

Acceptable Immediate Substrates for Heat-Welded Application

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Approved GenFlex Base Sheet.
- Existing Smooth Surface BUR or APP Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer).
- DensDeck® Prime, SECUROCK® Gypsum Fiber

NOTE: Please reference the GenFlex Asphalt Roofing Systems Guide for Applicators and Designers available on our website for detailed information regarding the type of deck and insulation in use.

Storage

- All material should be stored out of the weather in a clean, dry area in its original unopened packaging at a minimum of 50 °F (10 °C) and a maximum of 100 °F (38 °C) so that it will be 50 °F (10 °C) or above at the time of application.
- Do not stack SBS Smooth more than two (2) pallets high.
- If the material must be stored temporarily on the roof before application, it must be elevated from the roof surface on a pallet, stored on end, and covered from the weather with a light-colored opaque tarp in a neat, safe manner that does not exceed the allowable load limit of the storage area.

Precautions

- For safety information, refer to the Safety Data Sheet (SDS) for APP Membranes and Flashing.
- Take care when transporting and handling Modified Bitumen rolls to avoid punctures and other types of physical damage.
- Isolate waste products, petroleum products, grease, oil (mineral and vegetable) and animal fats from all GenFlex Modified Bitumen membranes.
- Refer to Safety Data Sheets (SDS) for additional safety information.

*LEED® Information

Recycled Content

Post-Consumer

8%

Post Industrial

0%

Manufacturing Location Beech Grove, IN

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



Intertek



Typical Properties

Property	Test Method	ASTM Standard Required Value	Typical Performance
Product Thickness	D 5147	140 mil (3.5 mm)	154 mil (3.9 mm)
Net Mass	D 146	54 lb/100 ft ² (2,636 g/m ²)	85 lb/100 ft ² (4,150 g/m ²)
Bottom Side Coating	D 5147	30 mil (0.76 mm)	47 mil (1.2 mm)
Peak Load at 73 °F (23 °C)	D 5147	50 lbf/in, MD (8.8 kN/m) 50 lbf/in, XMD (8.8 kN/m)	55 lbf/in, MD (9.6 kN/m, MD) 55 lbf/in, XMD (9.6 kN/m, MD)
Elongation at Peak Load at 73 °F (23 °C)	D 5147	20%, MD 20%, XMD	50%, MD 50%, XMD
Peak Load at 0 °F (-18 °C)	D 5147	60 lbf/in, MD (10.5 kN/m) 60 lbf/in, XMD (10.5 kN/m)	65 lbf/in, MD (11.4 kN/m) 65 lbf/in, XMD (11.4 kN/m)
Elongation at Peak Load at 0 °F (-18 °C)	D 5147	10%, MD 10%, XMD	15%, MD 15%, XMD
Ultimate Elongation at 5% of Peak Load 73 °F (23 °C)	D 5147	30%, MD 30%, SMD	40%, MD 40%, XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	70 lbf, MD (311 N, MD) 70 lbf, XMD (311 N, XMD)	75 lbf, MD (334 N, MD) 75 lbf, XMD (334 N, XMD)
Low Temperature Flexibility	D 5147	32 °F (0 °C)	32 °F (0 °C)
Dimensional Stability	D 5147, D 1204	1% Change, MD 1% Change, XMD	0.2% Change, MD 0.2% Change, XMD
Compound Stability	D 5147	230 °F (110 °C)	270 °F (132 °C)
Water Absorption	D 5147, D 95	3.2%	0%
Moisture Content	D 5147, D 95	1%	0%
Low Temperature Unrolling	D 5636	41 °F (5 °C)	0 °F (-18 °C)

Please contact GenFlex Technical Services 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.