

TECHNICAL INFORMATION SHEET

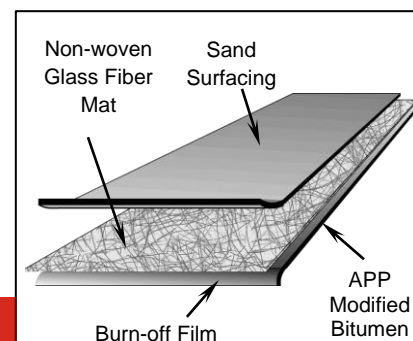
APP 80 Glass Base

Item Description

1 Roll (2 Squares)

Item Number

W70FTS0802



Meets or exceeds performance requirements of ASTM D 6509

Product Information

Description:

Firestone APP 80 Glass Base is a smooth-surfaced APP modified bitumen roofing base sheet designed to be heat-welded. It consists of select asphalt, modified with atactic polypropylene, and reinforced with a 1.8 lb/100 ft² (90 g/m²) non-woven glass fiber mat. The combination results in a flexible, durable, smooth-surfaced base sheet that exceeds the performance requirements of ASTM D 6509. APP 80 Glass Base membranes are ideal for both new construction and re-roofing applications as a base sheet in multi-ply and flashing applications.

Product Packaging

Roll Width	3' 3" (1 m)
Roll Length	65' 4" (19.9 m)
Net Coverage	196 ft ² (18.2 m ²)
Roll Weight	95 lb (43 kg)

Pallet Size	48" x 39" (1.2 m x 1 m)
Rolls Per Pallet	20
Weight per Pallet	1,950 lb (886 kg)

Method of Application:

- APP 80 Glass Base must be installed by fully heat welding the membrane to an appropriate substrate.
- Please see the Firestone Asphalt Roofing Systems Guide for Applicators and Designers at www.firestonebpc.com for detailed application information.

Acceptable Immediate Substrates for Heat-Welded Application:

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- 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 consult the Firestone Asphalt Roofing Systems Guide for Applicators and Designers and QuickSpecs online at www.firestonebpc.com to review specific 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 Firestone APP 80 Glass Base membrane 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.

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Precautions:

- For safety information, refer to the Safety Data Sheet (SDS) for APP Membranes and Flashing.
- Take care when transporting and handling Firestone 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 Firestone Modified Bitumen membranes.

LEED® Information:

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Beech Grove, IN

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



Typical Properties (Meets ASTM D 6509)

Property	ASTM Standard	ASTM Standard Required Value	Typical Performance
Product Thickness	D 5147	70 mil (1.8 mm)	80 mil (2.0 mm)
Net Mass	D 146	40 lb/100 ft ² (1,952 g/m ²)	45 lb/100 ft ² (2,197 g/m ²)
Bottom Side Coating	D 5147	30 mil (0.76 mm)	43 mil (1.09 mm)
Peak Load at 0 °F (-18 °C):	D 5147	70 lbf/in, MD (12.2 kN/m, MD)	75 lbf/in, MD (13.1 kN/m, MD)
		70 lbf/in, XMD (12.2 kN/m, XMD)	75 lbf/in, XMD (13.1 kN/m, XMD)
Elongation at Peak Load at 0 °F (-18 °C)	D 5147	1%, MD	10%, MD
		1%, XMD	10%, XMD
Peak Load at 73 °F (23 °C)	D 5147	50 lbf/in, MD (8.8 kN/m, MD)	55 lbf/in, MD (9.6 kN/m, MD)
		50 lbf/in, XMD (8.8 kN/m, XMD)	55 lbf/in, XMD (9.6 kN/m, XMD)
Elongation at Peak Load at 73 °F (23 °C)	D 5147	2%, MD	20%, MD
		2%, XMD	20%, XMD
Tear Strength at 73 °F (23 °C)	D 5147, D 4073	70 lbf, MD (311 N, MD)	75 lbf, MD (334 N, MD)
		70 lbf, XMD (311 N, XMD)	75 lbf, MD (334 N, XMD)
Low Temperature Flexibility	D 5147	32 °F (0 °C)	32 °F (0 °C)
Dimensional Stability	D 5147, D 1204	2% Change, MD	.2% Change, MD
		2% Change, XMD	.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 Firestone Technical Services Department at 1-800-428-4511 for further information.

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