

TECHNICAL INFORMATION SHEET

APP 80 Glass Base P

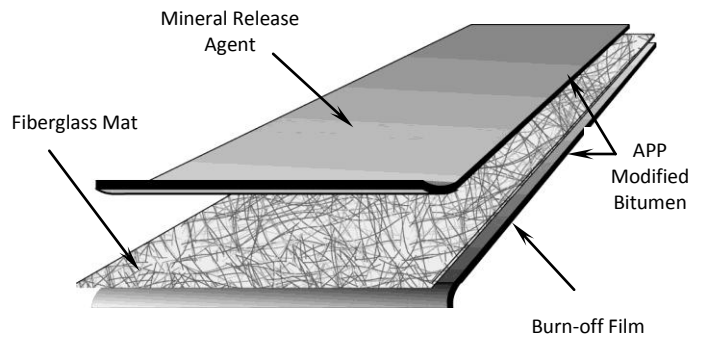
TIS #415

ITEM NUMBER:

Description:

Firestone APP 80 Glass Base P is a smooth surfaced APP modified bitumen base sheet. It consists of select asphalt, modified with atactic polypropylene, and reinforced with a 1.8 lb/100ft² (90 gram/m²) non-woven glass fiber mat. The combination results in a flexible, durable smooth-surfaced roofing membrane 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 applications and as base ply in flashing applications. Low slope roofs of any size, even those with numerous penetrations, may accommodate a Firestone APP 80 Glass Base membrane application.



Method of Application:

1. APP 80 Glass Base P membranes shall be installed by fully heat welding the membrane to an appropriate substrate.
2. Please see the APP Design and Application Guide at www.firestonebpco.com for detailed information regarding the application of APP80 Glass Base.

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.
- If 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.
- Stack Firestone APP 80 Glass Base material squarely in the original unopened packaging not more than two (2) pallets high.

Precautions:

- 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.
- Consult your Roof Systems Advisor at 800-428-4511 for specific recommendations.
- Refer to Material Safety Data Sheet for APP Membranes and Flashing.

Compliance:

Post Consumer Recycled Content: 0%
Pre Consumer Recycled Content: 0%
Manufacturing Location: Beech Grove, IN



Packaging:

Roll Width:	3.3 ft (1m)
Roll Length:	65' 4" (19.9 m)
Net Coverage :	196.7 ft ² (9 m ²)
Roll Weight :	97 lb (44 kg)
Pallet Size :	48" x 39" (1.2 m x 1m)
Rolls per Pallet:	20
Weight per Pallet	2,000 lb (907 kg)

TECHNICAL INFORMATION SHEET

APP 80 Glass Base

ASTM D 6509

Physical Properties Tested in accordance with ASTM D 5147	ASTM Standard		Firestone Value	Metric Units	Firestone Value
	Required Value	Units			
Product Thickness	70	mil	80	mm	2.0
Net Mass	40	lb/100ft ²	47	g/m ²	2,287
Bottom Side Coating	30	mil	39	mm	1.0
Peak Load @ 0 °F (-18 °C)	70	lbf/inch, MD	95	kN/m	17
	60	lbf/inch, CD	75	kN/m	13
Elongation @ Peak Load @ 0 °F (18 °C)	1	% MD	4	%	4
	1	% CD	4	%	4
Peak Load @ 73 °F (-25 °C)	50	lbf/inch, MD	60	kN/m	11
	50	lbf/inch, CD	50	kN/m	8.8
Elongation @ Peak Load @ 73 °F (25 °C)	2	% MD	4	%	4
	2	% CD	4	%	4
Tear Strength @ 73 °F (25 °C)	70	lbf, MD	80	N	356
	70	lbf, CD	65	N	289
Dimensional Stability	1	% Change MD	-0.1	%	-0.07
	1	% Change CD	0.1	%	0.2
Low Temperature Flexibility	32	°F	14	°C	-12
Compound Stability	230	°F	270	°C	132

Acceptable Substrates:

Notes:

Structural Concrete (New and Existing)
DensDeck Prime

Please consult the APP Design and Application Guide and Quick Specs on line at www.firestonebpc.com to review specific information regarding fastener types appropriate for the type of deck and insulation in use.

Gypsum
Lightweight Concrete
Plywood and OSB

Mechanical attachment only
Requires a mechanically attached base sheet
Requires a mechanically attached base sheet or BaseGard SA

Firestone Insulation:

ISO 95+™GL
ISOGARD™ HD
RESISTA™
DensDeck

Requires a coverboard when applied in hot asphalt
Cannot be installed in hot asphalt
Cannot be installed in hot asphalt
Cannot be encapsulated in hot asphalt

Please Contact your Firestone Technical Coordinator at 1-800-428-4511 for further information.

This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone 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 Firestone representative is authorized to vary this disclaimer.