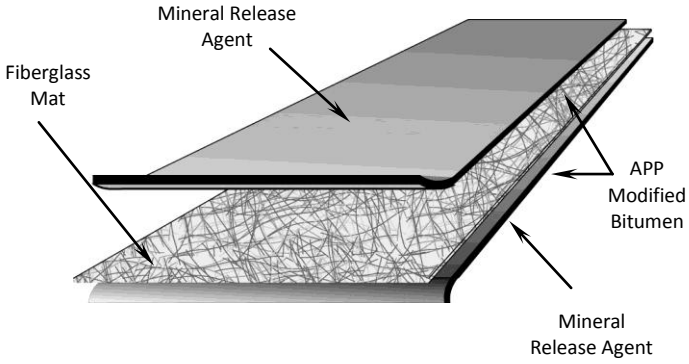
TECHNICAL INFORMATION SHEET

APP Premium Base

TIS #414

ITEM NUMBER: W70BTS0802



Description:

APP Premium Base Membrane 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/100ft^2 (90 gram/m^2) 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 Premium Base Membranes are ideal for both new construction and re-roofing applications as a base sheet in multi-ply applications and as a base ply in flashing applications. Low slope roofs of any size, even those with numerous penetrations, may accommodate a Firestone APP Premium Base Membrane application.

Method of Application:

1. APP Premium Base Membranes shall be fully adhered to an appropriate substrate with Firestone Multi-Purpose MB Cold Adhesive.
2. Please see the APP Design and Application Guide at www.firestonebpco.com for detailed information regarding the application of APP Premium Base Membrane.

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 Premium 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 the Material Safety Data Sheet for APP Membranes.

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 (909 kg)

TECHNICAL INFORMATION SHEET

Firestone BUILDING PRODUCTS

APP Premium Base

ASTM D 6509

Physical Properties Tested in accordance with ASTM D 5147	*ASTM Standard Required Value*	*Units*	*Firestone Value*	*Metric Units*	*Firestone Value*
Product Thickness	70	mil	80	mm	2.1
Net Mass	40	lb/100ft^2	50	g/m^2	2,441
Bottom Side Coating	30	mil	35	mm	1.0
Peak Load @ 0 °F (-18 °C)	70	lbf/inch, MD	95	kN/m	18
	60	lbf/inch, CD	85	kN/m	16
Elongation @ Peak Load @ 0 °F	1	% MD	4	%	4
(18 °C)	1	% CD	4	%	4
Peak Load @73 °f (-25 °C)	50	lbf/inch, MD	65	kN/m	12
	50	lbf/inch, CD	55	kN/m	10
Elongation @ Peak Load @73 °F	2	% MD	4	%	4
(25 °C)	2	% CD	4	%	4
Tear Strength @ 73 °F (25 °C)	70	lbf, MD	100	N	444
	70	lbf, CD	85	N	377
Dimensional Stability	1	% Change MD	-0.1	%	-0.1
	1	% Change CD	0.2	%	0.2
Low Temperature Flexibility	32	°F	-15	°C	-26
CompoundStability	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.firestonebpco.com to review specific information regarding fastener types appropriate for the type of deck and insulation in use.
Gypsum	Mechanical attachment only
Lightweight Concrete	Requires a mechanically attached base sheet
Plywood and OSB	Requires a mechanically attached base sheet or BaseGard SA
Firestone Insulation:	
ISO 95+™GL	Requires a coverboard when applied in hot asphalt
ISOGARD™ HD	Cannot be installed in hot asphalt
RESISTA™	Cannot be installed in hot asphalt
DensDeck	Cannot be encapsulated in hot asphalt

Please Contact your Firestone Roof Systems Advisor at 1-800-428-4511 for further information.

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