JM APP™ BASE 2.0 SQ

Fiber Glass-Reinforced, APP Base or Ply Sheet

Meets the requirements of ASTM D 6509

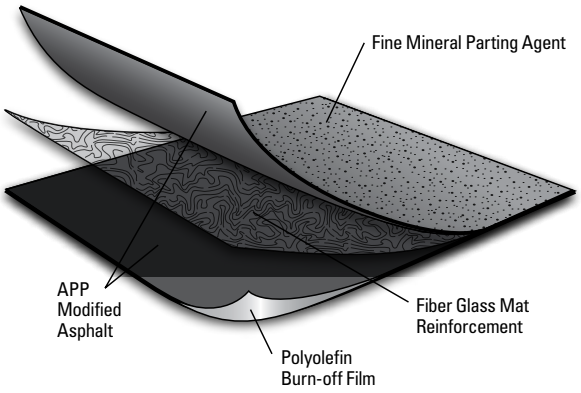
Features and Components

JM APP Base 2.0 SQ is used as a base or ply sheet in APP multi-ply roofing systems.

APP (Atactic Polypropylene) Polymer and Asphalt Blend: Provides an extremely durable sheet with excellent weathering characteristics, flexibility and dimensional stability for ease of handling and quick installations.

Fiber Glass Reinforcement Mat: Offers excellent dimensional stability and tensile strength and withstands differential movement. Because it has no thermal memory less time is needed to relax the sheet, allowing for ease of installation. The fiber glass mat also has good lay-flat characteristics.

Surfacing: Fine mineral parting agent on the top side of the sheet. A polyolefin burn-off film on the bottom side enables the product to be applied using heat welding techniques.



Component
M Membrane
Multi-Ply

Type
BS Base Sheet
PS Ply Sheet

System Compatibility

This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS				
	HA	CA	CA	**HW**	HA	CA	HW	SA	
	Compatible with the selected Multi-Ply systems above								

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA
	Do not use in Single Ply systems						

Key: **HA** = Hot Applied **CA** = Cold Applied **HW** = Heat Weldable **SA** = Self Adhered **MF** = Mechanically Fastened **FA** = Fully Adhered **BA** = Ballasted

Energy and the Environment

Pre-consumer Recycled Content	0%
Post-consumer Recycled Content	0%

Product Application

Heat Weld

- Standard base sheet attachment only. No in-lap fastening methods allowed.
- May be used as a backer ply in two-ply flashing systems.
- Approved cap sheets may be applied to base sheet using cold adhesive application techniques.

Refer to JM APP modified bitumen specifications and detail drawings for application and slope information.

Packaging and Dimensions

Roll Width	39 3⁄8" (1 m)
Roll Length	65' 7" (20 m)
Roll Coverage*	198.91 ft² (18.58 m²)
Roll Weight	101 lb (45.8 kg)
Rolls per Pallet	20
Pallets per Truck**	23

*Assumes a 4" side lap. **Assumes a 48' flatbed truck

Refer to the Safe Use Instructions and product label prior to using this product. The Safe Use Instructions are available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

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Tested Physical Properties

	Physical Properties		ASTM Test Method	Standard for ASTM D 6509	JM APP Base 2.0 SQ Results	
					MD*	XMD**
Strength	Tear Resistance @ 73.4° F		D 4073 /5147	≥ 70 lbf	93 lbf	81 lbf
	Peak Load @ 0° F		D 5147	≥ 70 lbf/in-width	156 lbf/in-width	125 lbf/in-width
	Peak Load @ 73.4° F	Unconditioned	D 5147	≥ 50 lbf/in-width	67 lbf/in-width	59 lbf/in-width
		90 day Heat Conditioned	D 5147/5869	≥ 50 lbf/in-width	81 lbf/in-width	58 lbf/in-width
Performance	Low Temp. Flexibility @ 180° F Mandrel (Pass-Fail)	Unconditioned	D 5147	Pass @ 32° F *"none of the specimens show cracking"*	Pass	Pass
		90 day Heat Conditioned	D 5147/5869		Pass	Pass
	Low Temperature Unrolling (Pass-Fail) Unroll in 4-6s; Visual Inspection in "unrolled" position		D 5636	Pass @ 32° F *"none of the specimens show cracking"*	Pass	Pass
	Compound Stability - 2 hr 15 min @ 230° F (Pass-Fail)		D 5147	Pass *"no failures showing signs of flowing, dripping, or drop formation"*	Pass	
	Thickness		D 5147	≥ 70 mils	75 mils (1.9mm)	
	Bottom Coating Thickness		D 5147	≥ 30 mils	45 mils	
	Water Absorption - water by distillation		D 5147/95	≥ 3.2 %	0.8 %	
	Moisture Content - water by distillation		D 5147/95	≥ 1 %	0.4 %	
	Elongation at Peak Load @ 0° F		D 5147	≥ 1 %	5 %	5 %
	Elongation at Peak Load at 73.4°F	Unconditioned	D 5147	≥ 2 %	4 %	4 %
		90 day Heat Conditioned	D 5147/5869	≥ 2 %	4 %	4 %
Installation	Dimensional Stability - 24 hr @ 176° F		D 5147/1204	≥ 0.2 %	0.03 %	0.03 %
	Net Mass per Unit Area		D 146	≥ 40 lb/100 ft^2	47 lb/100 ft^2	

*MD = Machine Direction
**XMD = Cross-Machine Direction

Note: All data represents tested values.

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