

Meets the requirements of ASTM D 6223, Type I, Grade S

Features and Components

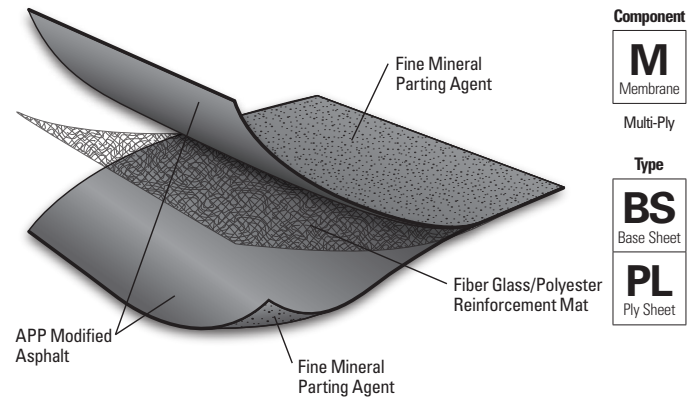
BICOR S is used as a premium base or ply sheet in APP multi-ply roofing systems.

Premium 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/Polyester Reinforcement Mat: Combines the excellent tensile strength, toughness and puncture resistance of a polyester mat with the dimensional stability and lay-flat characteristics of fiber glass.

Surfacing: Fine mineral parting agent on both sides of the sheet. Enables the product to be applied in cold adhesive or heat welding techniques.



Component

M
Membrane

Multi-Ply

Type

BS
Base Sheet

PL
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	AD	MF	AD	MF	AD	BA
Do not use in Single Ply systems							

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

Energy and the Environment

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

Peak Advantage® Guarantee Information

Systems	Guarantee Term
Dependent on system*	Up to 30 years

*Contact JM Technical Services for specific system requirements or guarantee terms.

Codes and Approvals



- UL Class A ratings may be obtained in numerous constructions, both new and re-roof.

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.

Product Application



Cold Applied Heat Weld

- May be used as a base or ply in two-ply flashing systems.
- 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	32' 10" (10.01 m)
Roll Coverage*	95.8 ft ² (8.9 m ²)
Roll Weight	98 lb (44.5 kg)
Rolls per Pallet	20
Pallets per Truck**	23

*Assumes a 4" side lap.

**Assumes a 48' flatbed truck.

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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6223, Type I, Grade S	BICOR S		
				MD*	XMD**	
Strength	Tear Resistance @ 77°F	D 4073 /5147	≥ 120 lbf	165 lbf	160 lbf	
	Peak Load @ 0°F	D 5147	≥ 150 lbf/in-width	190 lbf/in-width	170 lbf/in-width	
	Peak Load @ 77°F	Unconditioned	D 5147	≥ 65 lbf/in-width	125 lbf/in-width	114 lbf/in-width
90 day Heat Conditioned		D 5147/5869	≥ 65 lbf/in-width	165 lbf/in-width	145 lbf/in-width	
Performance	Low Temp. Flexibility @ 180° F Mandrel (Pass-Fail)	Unconditioned	D 5147	Pass @ 32°F <i>"none of the specimens show cracking"</i>	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 <i>"none of the specimens show cracking"</i>	Pass	Pass	
	Compound Stability - 2 hr 15 min @ 230° F (Pass-Fail)	D 5147	Pass <i>"no failures showing signs of flowing, dripping, or drop formation"</i>	Pass		
	Thickness	D 5147	≥ 140 mils	160 mils		
	Bottom Coating Thickness	D 5147	≥ 40 mils	72 mils		
	Water Absorption - water by distillation	D 5147/95	≥ 3.2%	0.6%		
	Moisture Content - water by distillation	D 5147/95	≥ 1%	0.2 %		
	Elongation at Peak Load @ 0°F	D 5147	≥ 3%	5%	5%	
Elongation at Peak Load at 77°F	Unconditioned	D 5147	≥ 3%	4%	5%	
	90 day Heat Conditioned	D 5147/5869	≥ 3%	5%	6%	
Installation	Dimensional Stability - 24 hr @ 176° F	D 5147/1204	≥ 1%	0.2%	< 0.2%	
	Net Mass per Unit Area	D 146	≥ 75 lb/100 ft ²	86 lb/100 ft ²		

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.