

Meets the requirements of ASTM D 6222, Type I, Grade S

Features and Components

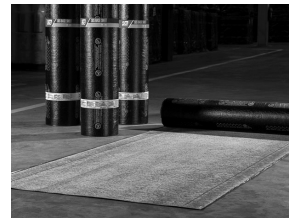
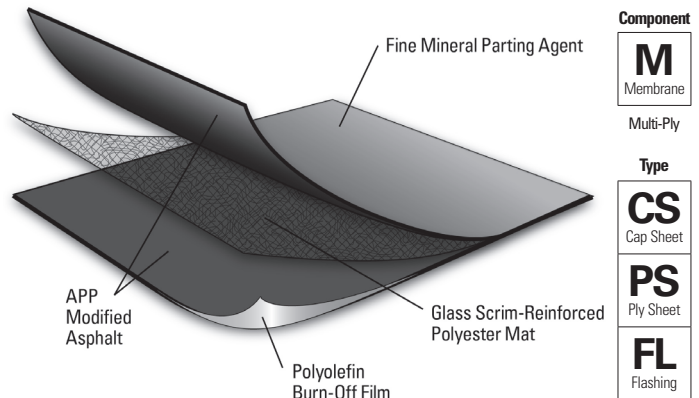
APPeX 4S is used as a cap or base sheet in APP multi-ply roofing systems.

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.

Polyester Reinforcement Mat: Provides bidirectional glass-scrim reinforcement and offers robust tear strength and puncture resistance, allowing for high wind performance and excellent hail rating. The sheet also exhibits strong dimensional stability and enhanced elongation.

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



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%

Peak Advantage® Guarantee Information

Systems	Guarantee Term
Dependent on system*	Up to 20 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 at slopes up to 1" per foot (83 mm/m).

Product Application



Heat Weld

- When used as a cap sheet, the use of an approved surfacing is required.
- Refer to JM APP modified bitumen specifications and detail drawings for application and slope information.

Packaging and Dimensions

Roll Coverage*	95.8 ft ² (8.9 m ²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 3/8" (1 m)
Roll Weight	100 lb (45.4 kg)
Rolls per Pallet	25
Pallets per Truck**	18

*Assumes a 4" side lap. **Assumes 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 6222, Type I, Grade S	APPeX 4S	
				MD*	XMD**
Strength	Tear Resistance @ 73.4° F	D 4073 / 5147	≥ 70 lbf	122 lbf	92 lbf
	Peak Load at 0°F (-18°C)	D 5147	≥ 60 lbf/in-width	133 lbf/in-width	107 lbf/in-width
	Peak Load at 73.4°F (23°C)	Unconditioned	D 5147	≥ 50 lbf/in-width	98 lbf/in-width
90-Day Heat Conditioned		D 5147 / 5869	≥ 50 lbf/in-width	102 lbf/in-width	67 lbf/in-width
Longevity	Low Temp. Flexibility @ 180° F Mandrel (Pass-Fail)	Unconditioned	D 5147	Pass @ 32° F "none of the specimens show cracking"	Pass
		90-Day Heat Conditioned	D 5147 / 5869		Pass
	Low Temperature Unrolling (Pass-Fail) Unroll in 4-6s; Visual Inspection in "unrolled" position	D 5636	Pass @ 41° F "none of the specimens show cracking"	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	≥ 140 mils	146 mils	
	Bottom Coating Thickness	D 5147	≥ 30 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%	
	Ultimate Elongation at 73.4°F (-18°C)	D 6222	≥ 30 %	52%	49%
	Elongation at Peak Load @ 0° F	D 5147	≥ 10 %	12%	10%
Elongation at Peak Load @ 74.4° F	Unconditioned	D 5147	≥ 23 %	49%	45%
	90-Day Heat Conditioned	D 5147 / 5869	≥ 23 %	41%	32%
Installation	Dimensional Stability - 24 hr @ 176° F	D 5147 / 1204	≤ 1 %	0.30%	0.10%
	Net Mass per Unit Area	D 146	≥ 70 lb/100 ft ²	89 lb/100 ft ²	

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at www.jm.com/roofing. The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit www.jm.com/terms-conditions.