

Meets the requirements of ASTM D 6164, Type 1, Grade S

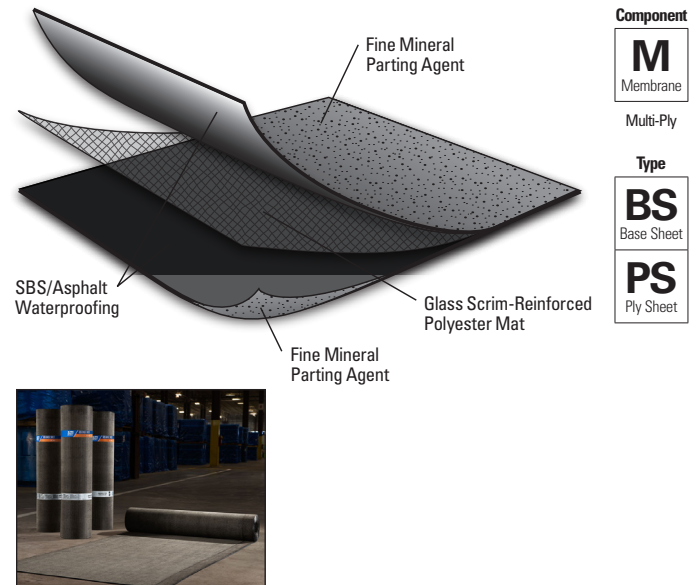
Features and Components

DynaBase PR is used as a polyester-reinforced base or ply sheet in a variety of multi-ply roofing systems.

High-Quality SBS Rubber and Asphalt Blend: Lends elasticity and flexibility to the sheet. The elongation and recovery properties allow the product to easily accommodate the continual expansion and contraction experienced on all roofs.

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

Surfacing: Fine mineral parting agent on both sides.



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
<i>Compatible with the selected Multi-Ply systems above</i>								

Single Ply	TPO		PVC		EPDM		
	MF	FA	MF	FA	MF	FA	BA
<i>Compatible with the selected Single Ply systems above</i>							

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
When used in most 2-5 ply JM SBS systems.*	Up to 30 years

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

Codes and Approvals



Product Application



Hot Asphalt Cold Applied

- May be used as a backer-ply in two-ply flashing systems
- May be installed in Type IV asphalt, or in an approved JM adhesive or may be mechanically fastened
- Laps may also be installed using heat-welding techniques
- Refer to JM SBS modified bitumen specifications and detail drawings for application and slope information
- No in-lap fastening

Packaging and Dimensions

Roll Coverage*	148.2 ft ² (13.8 m ²)
Roll Length	49' 2" (14.99 m)
Roll Width	39 3/8" (1 m)
Roll Weight	85 lb (38.6 kg)
Rolls per Pallet	20
Pallet Weight	2,050 lb (930 kg)
Pallets per Truck*	22

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

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.

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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type 1, Grade S (Min.)	DynaBase PR	
				MD*	XMD**
Strength	Tensile Tear	D 5147	55 lbf. (245 N)	125 lbf (556 N)	90 lbf (400 N)
	Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12 kN/m)	110 lbf/in (19.3 kN/m)	90 lbf/in (15.8 kN/m)
	Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in (8.8 kN/m)	80 lbf/in (14k N/m)	60 lbf/in (10.5 kN/m)
Longevity	Low Temp. Flexibility	Unconditioned	0°F (-18°C)	-20°F (-29°C)	
		90-Day Heat Conditioned	0°F (-18°C)	-20°F (-29°C)	
	Compound Stability	D 5147	215°F (102°C)	250°F (121°C)	
	Thickness	D 5147	85 mil. (2.2 mm)	91 mil (2.3 mm)	
	Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	35%	40%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	55%	60%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	70%	80%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12 kN/m)	110 lbf/in (19.3 kN/m)	90 lbf/in (15.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	25%	25%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in (8.8 kN/m)	85 lbf/in (14.9 kN/m)	65 lbf/in (11.4 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	35%	45%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	45%	45%
Installation	Dimensional Stability	D 5147	1.0%	0.2%	0.1%
	Net Mass per Unit Area	D 146	54 lb/100 ft² (24.5 kg/9.29 m²)	55 lb/100 ft² (24.9 kg/9.29 m²)	
	Roll Weight	D 146	N/A	85 lb (38.6 kg)	

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.

Supplemental Testing

Physical Properties		ASTM Test Method	DynaBase PR Result
Cyclic Joint Displacement	Initial	D 5849	Pass at 500 cycles*
	After 90-Day Heat Conditioning per ASTM D 5147	D 5849	Pass at 200 cycles*

*In a min 2-ply system when adhered with any combination of cold applied, hot applied and or heat-weld that is approved by JM for application.