



DynaLastic® 180 S

Polyester-Reinforced SBS Base or Ply Felt

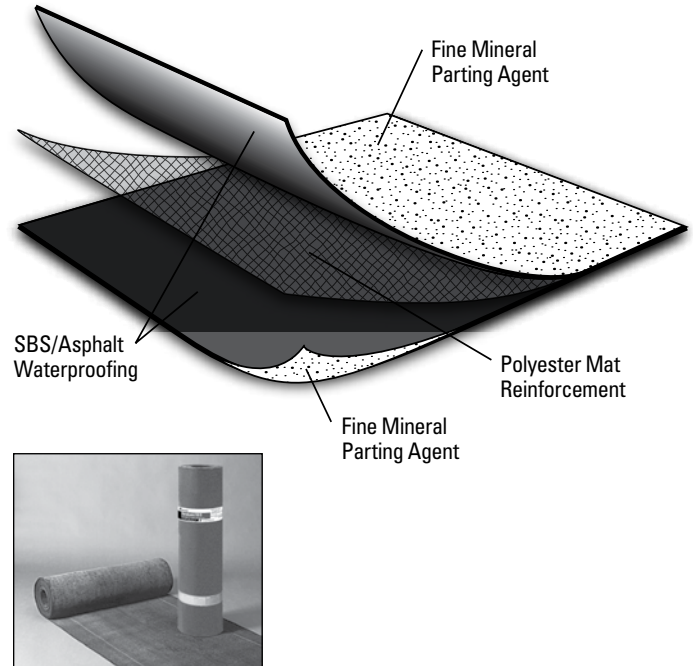
Meets the requirements of ASTM D 6164, Type 1, Grade S.

Features

Fine Mineral Parting Agent: Nonblocking surface for use as a base sheet or ply sheet.

High-Quality SBS Rubber and Asphalt Blend: Lends elasticity and flexibility to the sheet. The thicker JM SBS coating provides more waterproofing value.

Polyester Reinforcement Mat: 180 g/m² polyester mat with bidirectional glass-scrim reinforcement 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.



Energy and the Environment

Postconsumer Recycled Content	0%
Preconsumer Recycled Content	0%

Packaging and Dimensions

Roll Coverage	98.5 ft ² (9.2 m ²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 3/8" (1 m)
Rolls per Pallet	20
Pallet Weight	1,900 lb (862 kg)
Pallets per Truck*	22
Producing Locations	Macon, GA Plattsburgh, NY South Gate, CA

*Assumes flatbed truck.

Peak Advantage® Guarantee Information

Systems	Guarantee Term
When used in most 2 to 5 ply JM SBS systems.*	10, 15 or 20 years

*Contact JM Technical Services for specific systems or terms over 20 years.

Installation



- May be installed in Type III or Type IV asphalt, in an approved JM adhesive or may be mechanically fastened
- Laps may also be installed using heat-welding techniques

Codes and Approvals





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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type 1, Grade S (Min.)	DynaLastic 180 S		
				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. (14.0 kN/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)	118 mil (3.0 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 ft ² (24 kg/9.29 m ²)	55 lb/100 ft ² (25 kg/9.29 m ²)	
	Roll Weight		D 146	N/A	86 lb (39 kg)	

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.

Supplemental Testing

Physical Properties	ASTM Test Method	Standard for ASTM D 6164, Type 1, Grade S (Min.)	DynaLastic 180 S Result
Cyclic Joint Displacement – Initial	D 5849	N/A	Pass at 500 cycles*

*When adhered to DynaLastic 180 FR or DynaLastic 180 FR CR in hot asphalt.