DynaLastic® 250 S

Heavy Duty Polyester-Reinforced SBS Base, Ply, or Flashing Sheet

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

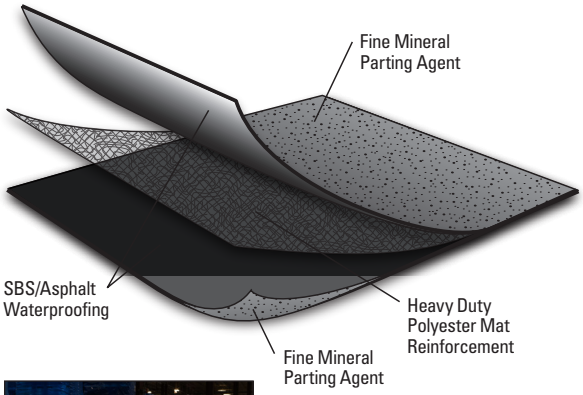
Features and Components

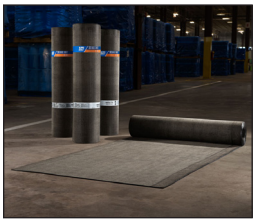
DynaLastic 250 S is used as a polyester-reinforced base or ply sheet in a variety of multi-ply roofing systems.

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.

Heavy Duty 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: A fine material parting agent is applied to both sides of the product.





Component

M Membrane

Multi-Ply
Single Ply

Type

BS Base Sheet

FL Flashing

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 with 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
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

CLASSIFIED UL C US

FM APPROVED

MIAMI-DADE COUNTY APPROVED
Miami-Dade County Product Control Approved

Product Application

Hot Asphalt

Cold Applied

- May be installed in Type IV asphalt or in an approved JM adhesive
- Laps may be installed using heat-welding techniques
- Refer to JM SBS modified bitumen specifications and detail drawings for application and slope information

Packaging and Dimensions

Roll Coverage*	95.8 ft² (8.9 m²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 ⅜" (1 m)
Roll Weight	90 lbs (40.8 kg)
Rolls per Pallet	20
Pallet Weight	1930 lbs
Pallets per Truck**	20

*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 II, Grade S (Min.)	DynaLastic 250 S	
				MD*	XMD**
Strength	Tensile Tear, lbf. (N)	D 5147	70 lbf (311N)	181 lb/in (805N)	124 lb/in (552N)
	Peak Load at 0°F (-18°C), lbf./in. (kN/m)	D 5147	100 lbf/in (17.5 kN/m)	184 lb/in (32.2 kN/m)	122 lb/in (21.4 kN/m)
	Peak Load at 73.4°F (23°C), lbf./in. (kN/m)	D 5147	70 lbf/in (12.3 kN/m)	106 lb/in (18.6 kN/m)	84 lb/in (14.7 kN/m)
Longevity	Thickness	D 5147	115 mil (2.9 mm)	138 mil (3.5 mm)	
	Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	46%	54%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	50%	58%	71%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	60%	61%	76%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C), lbf/in. (kN/m)	D 5147	100 lbf/in (17.5 kN/m)	178 lbf/in (31.2 kN/m)	119 lbf/in (20.8 kN/m)
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C), lbf/in. (kN/m)	D 5147	70 lbf/in (12.3 kN/m)	133 lbf/in (23.3 kN/m)	96 lbf/in (16.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	70%	133%	96%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	50%	58%	68%
Installation	Dimensional Stability	D 5147	≤ 1.0%	0.3%	0.1%
	Net Mass per Unit Area, lb./100ft² (g/m²)	D 146	70 lb/100 ft² (31.9 kg/9.29 m²)	84 lb/100 ft² (38.2 kg/9.29 m²)	
	Roll Weight	D 146	N/A	90 lbs (40.8 kg)	

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

Note: All data represents tested values.

Supplemental Testing

Physical Properties		ASTM Test Method	DynaLastic 250 S 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.

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