

### Meets the requirements of ASTM D 6163, Type I, Grade S

#### Features and Components

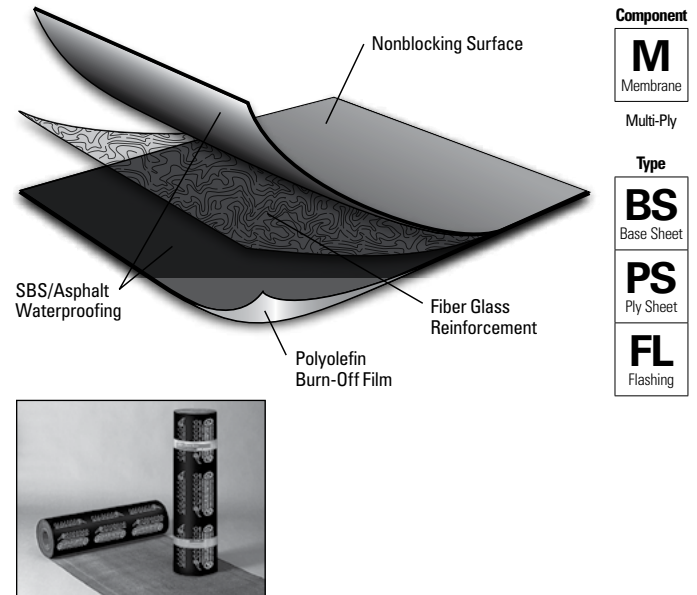
DynaWeld Base is used as a fiber glass-reinforced base or ply sheet in a variety of multi-ply roofing systems.

**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 elongation and recovery properties allow the product to easily accommodate the continual expansion and contraction experienced on all roofs.

**Fiber Glass Reinforcement Mat:** Offers excellent dimensional stability and tensile strength and withstands differential movement. Because it has no thermal memory less time is needed to relax the sheet, allowing for ease of installation. The fiber glass mat also has good lay-flat characteristics.

**Polyolefin Burn-Off Film:** Promotes ease of heat welding.



**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
Compatible with the selected Single Ply systems above							

**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



Heat Weld

- May be used as a backer-ply in two-ply flashing systems.
- Must 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 ft <sup>2</sup> (8.9 m <sup>2</sup> )
Roll Length	32' 10" (10 m)
Roll Width	39 3/8" (1 m)
Roll Weight	84 lb (38 kg)
Rolls per Pallet	20
Pallet Weight	1,825 lb (828 kg)
Pallets per Truck**	22

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

**Meets the requirements of ASTM D 6163, Type I, Grade S**

**Tested Physical Properties**

Physical Properties		ASTM Test Method	Standard for ASTM D 6163, Type I, Grade S (Min.)	DynaWeld Base	
				MD*	XMD**
Strength	Tensile Tear	D 5147	35 lbf (156 N)	105 lbf (467 N)	80 lbf (356 N)
	Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12.3 kN/m)	130 lbf/in (22.8 kN/m)	100 lbf/in (17.5 kN/m)
	Peak Load at 73.4°F (23°C)	D 5147	30 lbf/in (5.3 kN/m)	70 lbf/in (12.3 kN/m)	50 lbf/in (8.8 kN/m)
Longevity	Low Temp. Flexibility	Unconditioned	D 5147	0°F (-18°C)	-30°F (-34°C)
		90-Day Heat Conditioned	D 5147	0°F (-18°C)	-30°F (-34°C)
	Compound Stability	D 5147	215°F (102°C)	250°F (121°C)	
	Thickness	D 5147	80 mil (2.0 mm)	118 mil (3.0 mm)	
	Elongation at Peak Load at 0°F (-18°C)	D 5147	1%	5%	5%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	2%	4%	4%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	3%	50%	55%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12.3 kN/m)	145 lbf/in (25.4 kN/m)	105 lbf/in (18.4 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	1%	5%	4%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	30 lbf/in (5.3 kN/m)	110 lbf/in (19.3 kN/m)	75 lbf/in (13.1 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	2%	4%	4%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	3%	6%	7%
Installation	Dimensional Stability	D 5147	0.5%	0.1%	0.1%
	Back Coating Thickness	D 5147	40 mil (1.0 mm)	59 mil (1.5 mm)	
	Net Mass per Unit Area	D 146	45 lb/100 ft <sup>2</sup> (20 kg/9.29 m <sup>2</sup> )	74 lb/100 ft <sup>2</sup> (34 kg/9.29 m <sup>2</sup> )	
	Roll Weight	D 146	N/A	84 lb (38 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 6163, Type I, Grade S (Min.)	DynaWeld Base Result
Cyclic Joint Displacement	Initial	D 5849	N/A	Pass at 500 cycles*
	After 90-Day Heat Conditioning per ASTM D 5147	D 5849	N/A	Pass at 200 cycles*
	After 180-Day Heat Conditioning per ASTM D 5147	D 5849	N/A	Pass at 200 cycles*

\*When heat welded to DynaWeld Cap FR or DynaWeld Cap CR.