

### Meets the requirements of ASTM D 6164, Type I, Grade S

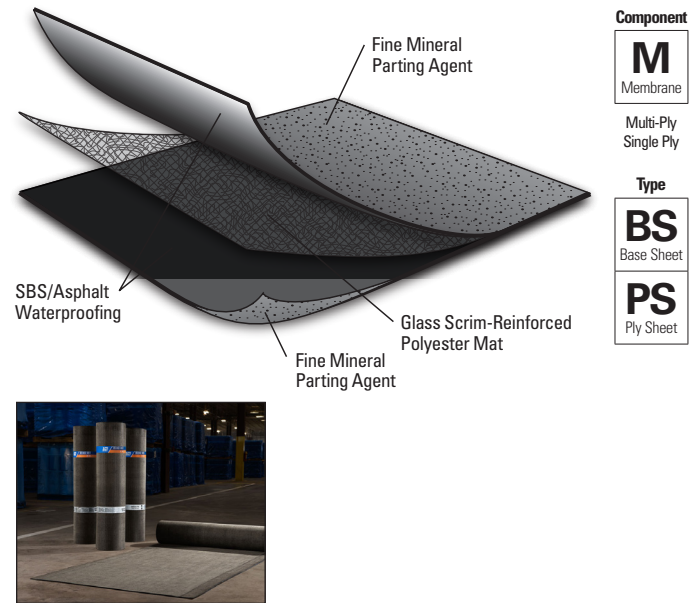
#### Features and Components

DynaFast 180 S is a base or ply sheet for use in mechanically fastened systems.

**Fine Mineral Parting Agent:** A fine material parting agent is applied to both sides of the product. This product does not have a surface finish and must be used in constructions that will provide protection from UV (ultraviolet light) and the elements.

**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-Reinforced Mat:** Polyester mat with bidirectional 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.



**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>Do not use with Single Ply systems</i>							

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened FA = Fully Adhered BA = Ballasted

\* Contact JM Technical Services for acceptable application regions.

#### 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



• FBC Approved

#### Installation/Application



- May be installed in Type III or Type IV asphalt, in an approved JM adhesive, or mechanically fastened
- When used in a mechanically fastened base sheet application, side and end laps must be installed using heat welding techniques
- Refer to JM SBS modified bitumen specifications and detail drawings for application and slop information

#### Packaging and Dimensions

Approximate Roll Coverage*	148 ft <sup>2</sup> (14 m <sup>2</sup> )
Roll Length	49' 2" (15 m)
Roll Width	39 3/8" (1 m)
Roll Weight	106 lb (48.1 kg)
Rolls per Pallet	20
Pallet Weight	2,270 lb (1,029.7 kg)
Pallets per Truck**	22

\*Roll net coverage rates are determined by the estimator or designee.

\*\*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](http://www.jm.com/roofing).

## Meets the requirements of ASTM D 6164, Type I, Grade S

### Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type I, Grade S (Min.)	DynaFast 180 S	
				MD*	XMD**
Strength	Tensile Tear	D 5147	55 lbf (245 N)	119 lbf (529 N)	93 lbf (414 N)
	Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12 kN/m)	118 lbf/in (20.7 kN/m)	81 lbf/in (14.2 kN/m)
	Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in (8.8 kN/m)	88 lbf/in (15.4 kN/m)	57 lbf/in (10.0 kN/m)
Longevity	Low Temp. Flexibility	Unconditioned	D 5147	0°F (-18°C)	-20°F (-29°C)
		90-Day Heat Conditioned	D 5147	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)	98 mil (2.5 mm)	
	Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	49%	45%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	53%	65%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	59%	71%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	70 lbf/in (12 kN/m)	105 lbf/in (18.4 kN/m)	84 lbf/in (14.7 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	40%	45%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in (8.8 kN/m)	104 lbf/in (18.2 kN/m)	64 lbf/in (11.2 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	52%	56%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	53%	59%
Installation	Dimensional Stability	D 5147	1.0%	-0.2%	0.7%
	Net Mass per Unit Area	D 146	54 lb/100 ft <sup>2</sup> (24 kg/9.29 m <sup>2</sup> )	62 lb/100 ft <sup>2</sup> (28 kg/9.29 m <sup>2</sup> )	
	Roll Weight	D 146	N/A	106 lb (48 kg)	

\*MD = Machine Direction

\*\*XMD = Cross-Machine Direction

Note: All data represents tested values.

### Supplemental Testing

Physical Properties		ASTM Test Method	DynaFast 180 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.