

Meets the requirements of ASTM D 6162, Type III, Grade S

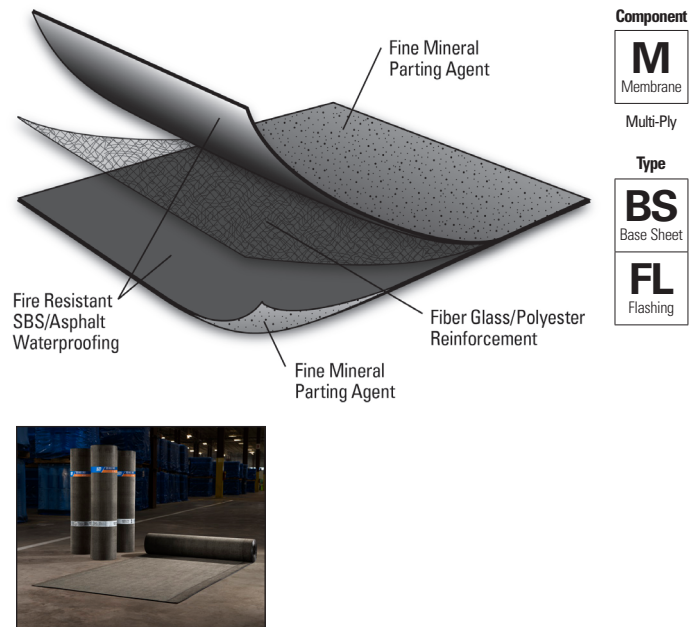
### Features and Components

DynaMax FR Plus Smooth is used as a premium fiber glass/polyester-reinforced base 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. The FR blend contains additional fire-retardant additives.

**Fiber Glass/Polyester Reinforcement Mat:** Combines the excellent tensile strength, toughness and puncture resistance of a polyester mat with the dimensional stability and lay-flat characteristics of fiber glass.

**Surfacing:** Fine mineral parting agent on both sides of the 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	HW	HA	CA	HW	SA	MF		
<i>Compatible with the selected multi-ply systems above</i>										

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<i>Do not use in single ply systems</i>										

**Key:** HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened IW = Induction Weld BA = Ballasted AD = Adhered

### Energy and Environment

Pre-Consumer Recycled Content	0%
Post-Consumer Recycled Content	0%

\*Standard White Granule only

### 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



- 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 ft <sup>2</sup> (8.9 m <sup>2</sup> )
Roll Length	32' 10" (10.01 m)
Roll Width	39 3/8" (1 m)
Roll Weight	95 lb (43.1 kg)
Rolls per Pallet	20
Pallet Weight	2,000 lb (907 kg)
Pallets per Truck**	22
Producing Location	Macon, GA      South Gate, CA

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

**This product is made to order. Please contact your JM Sales Representative for pricing and minimum order quantity.**



# DynaMax™ FR Plus S

Premium Fire-Retardant, Fiber Glass/Polyester-Reinforced  
SBS Base or Flashing Sheet

Meets the requirements of ASTM D 6162, Type III, Grade S

## Typical Physical Properties<sup>1</sup>

Physical Properties		ASTM Test Method	Standard for ASTM D 6162, Type III, Grade S (Min.)	DynaMax FR Plus S	
				MD*	XMD**
Strength	Tensile Tear	D 5147	280 lbf (1245 N)	730 lbf (3247 N)	730 lbf (3247 N)
	Peak Load at 73.4°F (23°C)	D 5147	250 lbf/in (44 kN/m)	500 lbf/in (88 kN/m)	600 lbf/in (105.7 kN/m)
Longevity	Low Temp. Flexibility	D 5147	0°F (-18°C)	-10°F (-23°C)	
	Compound Stability	D 5147	195°F (91°C)	250°F (121°C)	
	Thickness	D 5147	80 mil (2.0 mm)	138 mil (3.51 mm)	
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	3%	7%	6%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	3%	50%	10%
Installation	Dimensional Stability	D 5147	0.5%	0.2%	0.2%
	Net Mass per Unit Area	D 146	55 lb/100 ft <sup>2</sup>	111 lb/100 ft <sup>2</sup>	
	Roll Weight	D 146	N/A	116 lb (43.1 kg)	

\*MD = Machine Direction

\*\*XMD = Cross-Machine Direction

1. Material tested in accordance with ASTM D 5147 Standard Test Method for Sampling and Testing Modified Bituminous Sheet Materials.

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please 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](http://www.jm.com/roofing). The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville roofing products and systems, visit [www.jm.com/terms-conditions](http://www.jm.com/terms-conditions).