

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

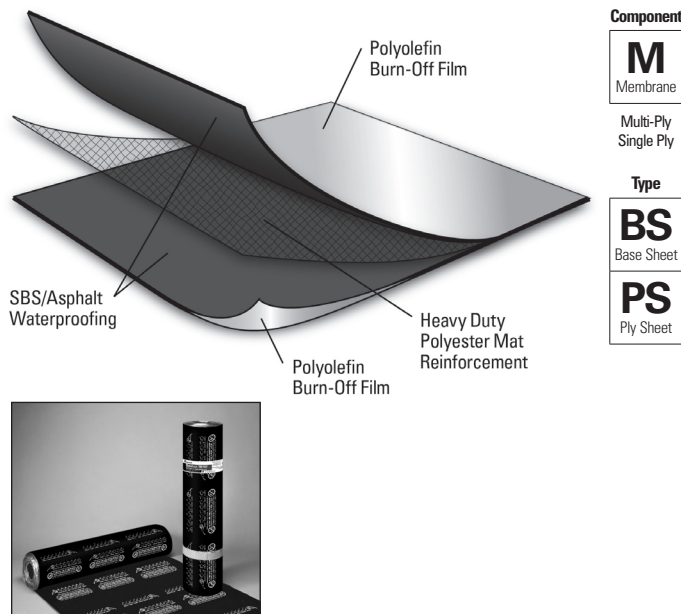
Features and Components

DynaFast 250 HW is a heat weldable base or ply sheet for use in mechanically fastened 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 excellent tensile strength, toughness, and puncture resistance and can accommodate stresses created by typical roof top expansion and contraction forces.

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	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 with 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 the Environment

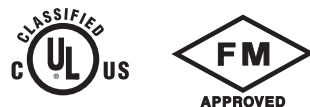
Pre-Consumer Recycled Content	0%
Post-Consumer Recycled Content	0%

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 mechanically fastened or installed using heat-welding techniques
- Side laps 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

Approximate Roll Coverage*	95.8 ft ² (8.9 m ²)
Roll Length	32' 10" (10 m)
Roll Width	39 3/8" (1 m)
Roll Weight	105 lb (47.6 kg)
Rolls per Pallet	20
Pallet Weight	2,250 lb (1,020.6 kg)
Pallets per Truck**	20
Producing Location	Macon, GA

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

**Assumes 48' flatbed truck.

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

Tested Physical Properties¹

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type II, Grade S (Min.)	DynaFast 250 HW	
				MD*	XMD**
Strength	Tensile Tear	D 5147	70 lbf (311 N)	181 lbf (805 N)	124 lbf (552 N)
	Peak Load at -18°C (0°F)	D 5147	100 lbf/in (17.5 kN/m)	184 lbf/in (32.2 kN/m)	122 lbf/in (21.4 kN/m)
	Peak Load at 23°C (73.4°F)	D 5147	70 lbf/in (12 kN/m)	106 lbf/in (18.6 kN/m)	84 lbf/in (14.7 kN/m)
Longevity	Low Temp. Flexibility	Unconditioned	D 5147	0°F (-18°C)	-10°F (-23°C)
		90-Day Heat Conditioned	D 5147	0°F (-18°C)	-10°F (-23°C)
	Compound Stability	D 5147	215°F (102°C)	250°F (121°C)	
	Thickness	D 5147	115 mil. (2.9 mm)	157 mil. (4.0 mm)	
	Elongation at Peak Load at -18°C (0°F)	D 5147	20%	46%	54%
	Elongation at Peak Load at 23°C (73.4°F)	D 5147	50%	58%	71%
	Ultimate Elongation at 23°C (73.4°F)	D 5147	60%	61%	76%
Aged Performance	90-Day Heat-Conditioned Peak Load at -18°C (0°F)	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 Elongation at Peak Load at -18°C (0°F)	D 5147	20%	49%	60%
	90-Day Heat-Conditioned Peak Load at 23°C (73.4°F)	D 5147	70 lbf/in (12 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 23°C (73.4°F)	D 5147	50%	58%	68%
	90-Day Heat-Conditioned Ultimate Elongation at 23°C (73.4°F)	D 5147	60%	60%	71%
Installation	Dimensional Stability	D 5147	1.0%	0.3%	0.1%
	Net Mass per Unit Area	D 146	70 lb/100 ft ² (32 kg/9.29 m ²)	97.6 lb/100 ft ² (44 kg/9.29 m ²)	
	Roll Weight	D 146	N/A	105 lb (47.6 kg)	

*MD = Machine Direction

**XMD = Cross-Machine Direction

1. Material tested in accordance with CAN/CGSB 37-GP-56M.

Supplemental Testing

Physical Properties		ASTM Test Method	DynaFast 250 HW 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.

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. 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.