

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

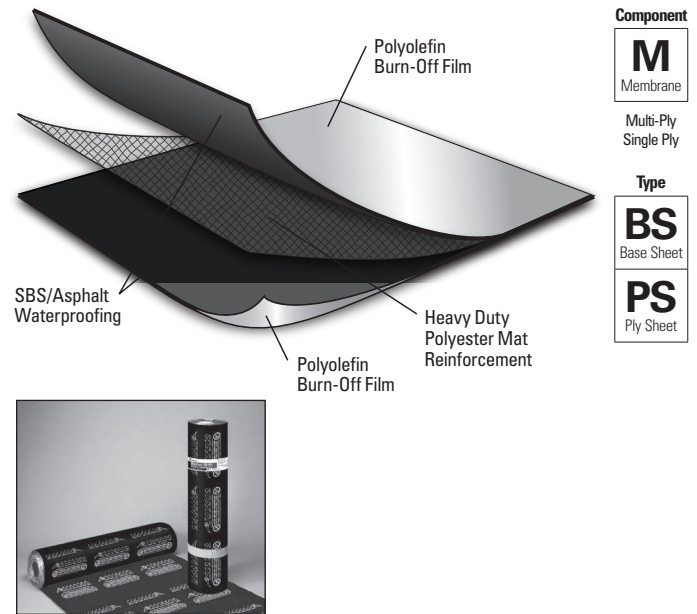
Features and Components

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
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



• FBC Approved

Installation/Application



Heat Weld



Mechanically Fastened

- 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

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

**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 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.