

Material meets the requirements of ASTM D 6162, Type I, Grade S

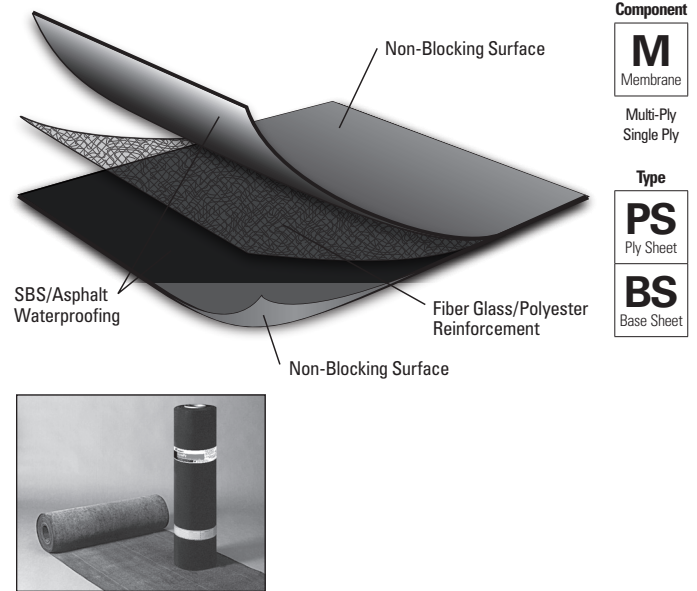
Features and Components

DynaPly T1 is used as a premium fiber glass/polyester-reinforced base or ply 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.

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.

Non-Blocking Surface: Nonblocking surface does not have a surface finish and must be used in constructions that will provide protection from UV (ultraviolet light) and the elements.



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 hybrid 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



- May be used as a backer ply in two-ply flashing systems
- 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 ² (8.9 m ²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 3/8" (1 m)
Roll Weight	87 lb (39.5 kg)
Rolls per Pallet	20
Pallet Weight	2,000 lb (907 kg)
Pallets per Truck**	22

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

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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6162, Type I, Grade S (Min.)	DynaPly T1		
				MD*	XMD**	
Strength	Tensile Tear	D 5147	65 lbf (289 N)	165 lbf (734 N)	160 lbf (712 N)	
	Peak Load at 0°F (-18°C)	D 5147	75 lbf/in (13.1 kN/m)	190 lbf/in (33.3 kN/m)	170 lbf/in (29.8 kN/m)	
	Peak Load at 73.4°F (23°C)	D 5147	75 lbf/in (13.1 kN/m)	120 lbf/in (21 kN/m)	100 lbf/in (17.5 kN/m)	
Longevity	Low Temp. Flexibility	Unconditioned	0°F (-18°C)	-20°F (-29°C)		
		90-Day Heat Conditioned	0°F (-18°C)	-15°F (-26°C)		
	Compound Stability	D 5147	195°F (91°C)	250°F (121°C)		
	Thickness	D 5147	70 mil (1.8 mm)	126 mil (3.2 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%	6%	6%	
	Ultimate Elongation at 73.4°F (23°C)	D 5147	26%	40%	40%	
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)		D 5147	75 lbf/in (13.1 kN/m)	190 lbf/in (33.3 kN/m)	170 lbf/in (29.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)		D 5147	1%	5%	5%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)		D 5147	75 lbf/in (13.1 kN/m)	165 lbf/in (28.9 kN/m)	145 lbf/in (25.4 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)		D 5147	2%	5%	5%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)		D 5147	9%	9%	9%
Installation	Dimensional Stability		D 5147	0.5%	0.2%	0.2%
	Net Mass per Unit Area		D 146	60 lb/100 ft² (27.2 kg/9.29 m²)	81 lb/100 ft² (36.7 kg/9.29 m²)	
	Roll Weight		D 146	N/A	87 lb (39.5 kg)	

*MD = Machine Direction

**XMD = Cross-Machine Direction

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

Supplemental Testing

Physical Properties		ASTM Test Method	DynaPly T1 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*
	After 180-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.

**When adhered to DynaKap FR T1 in hot asphalt.