

Meets or exceeds the requirements of ASTM D 6878

Features and Components

Wide Temperature Application Range: Excellent adhesive performance and bond down to 20° F without the need for any additional prep or primer on all approved horizontal substrates. Substrate must be clean and dry.

Self-adhering capabilities: Membrane can be adhered without the use of additional VOC-containing adhesives or primers. Excellent for use where interior building activities may be sensitive to odors or VOC limitations exist. Self adhered applications also minimize jobsite waste and provide labor efficiencies for adhered applications with no adhesive flash off time.

One of the Widest Melt Windows: Promotes better welds over a wider variety of speeds and temperatures, and leads to a softer, more flexible and workable sheet.

Reinforced fabric scrim layer and top-ply thickness: Lends to durable physical properties including:

- Long-term weathering, UV resistance and heat-aging properties
- High breaking and tearing strength

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		
Do not use with Multi-Ply systems										



Component
M
Membrane
Single Ply

Colors

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

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
Compatible with the selected Single Ply systems above										

Energy and the Environment

Standard			Reflectivity	Emissivity
CRRC®	White	Initial	0.77	0.87
		3 Yr. Aged	0.70	0.86
	Gray	Initial	0.35	0.87
		3 Yr. Aged	0.34	0.90
CA Title 24	White	Pass	0.77	0.87
LEED® (SRI)	White	Initial	95	
		3 Yr. Aged	85	
Recycled Content	Post-consumer		0%	
	Post-industrial		5%	

The LEED® Solar Reflectance Index (SRI) is calculated per ASTM E1980.

Peak Advantage® Guarantee Information

Product	Guarantee Term
JM TPO 60	Up to 20 years

Codes and Approvals



Installation/Application



Hot Air Weld



Self-Adhered

- Membrane can be installed when temperatures and substrates are 20 °F and rising.
- The substrate surfaces must be clean and dry prior to installation.
- Refer to JM TPO application guides and drawings for additional instructions.

Packaging, Storage and Dimensions

Thickness	60 mil
Roll Widths	10' (3.05 m)
Roll Lengths	100' (30.48 m)
Roll Coverage	1000 ft² (92.90 m²)
Rolls per Pallet	7
Pallet Weight	3050 lb (1383 kg)
Pallets per Truck*	12
Producing Location	Scottsboro, AL
Storage Conditions**	60 °F to 90 °F
Shelf-Life***	12 Months

*Assumes 48' flatbed truck and does not reflect pallets of accessories or impact of mixed sizes.

**Lower storage temperatures require longer membrane relaxation time prior to application.

***Based on standard storage conditions.

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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6878 (Min.)	JM TPO	
				MD*	XMD**
Strength	Breaking Strength, min, lbf (N)	D 751	220 (976)	411 (1,828)	388 (1,726)
	Elongation at Break, min %	D 751	15	27	27
	Tearing Strength, min, lbf (N)	D 751	45 (200)	92 (409)	178 (792)
	Factory Seam Strength, min, lbf (N)	D 751	66 (290)	112 (498)	
Longevity	Thickness, min, in.	D 751	+/- 10% from Nominal	0.060 (Nominal)	
	Thickness Over Scrim, min, in. (mm)	D 7635	0.015	0.027 (0.686)	
	Water Absorption, max, %	D 471	3.0	0.11	
	Brittleness Point, max, -40°F	D 2137	No Cracks	Pass	
	Ozone Resistance	D1149	No Cracks	Pass	
Heat Aged Performance	Properties after Heat Aging @ 240°F	D 573	Pass/Fail	Pass	
	Breaking Strength, % (after aging)	D 751	90	>90	>90
	Elongation, % (after aging)	D 751	90	>90	>90
	Tearing Strength, % (after aging)	D 751	60	>60	>60
	Weight Change, max, % (after aging)	D 751	±1.0	0.19	
	Linear Dimensional Change, max, % (after 6 hrs @ 158°F)	D 1204	±1.0	<0.1	
Weather Performance	Accelerated Weathering, min	G 151 & G 155	10,080 kJ/m ² •nm @ 340 nm (4,000 hrs @ 0.70 W)	>20,160 kJ/m ² (>8,000 hrs)	
	Cracking (@ 7x magnification)	G 155	No Cracks	Pass	

1. JM TPO SA is comprised of a 60 Mil TPO membrane and a factory applied pressure sensitive adhesive.

The given physical properties are based on the JM TPO 60 Mil membrane.

* MD= Machine Direction

** XMD= Cross-Machine Direction

Note: All data represents tested values.

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.

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