

Meets or exceeds the requirements of ASTM D 6878

Features and Components

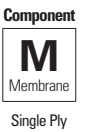
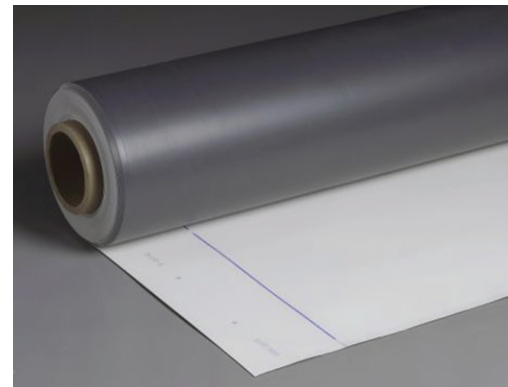
Thickness Over Scrim: Optimized and tested on a continual basis with a state-of-the-art thickness gauge to verify that the thickness valued by our customers is incorporated into the sheet.

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

Optimized TPO formulation: delivers high-performance ozone resistance, cool roof reflectivity and overall weather resistance.



Colors

| | | |
|-------|-------|------|
| Grey* | White | Tan* |
|-------|-------|------|

*Grey and Tan lead times are subject to availability and may require an upcharge for smaller projects.

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 |
| <i>Do not use with Multi-Ply systems</i> | | | | | | | | |

| Single Ply | TPO | | PVC | | EPDM | | |
|--|-----|----|-----|----|------|----|----|
| | MF | AD | MF | AD | MF | AD | BA |
| <i>Compatible with the selected Single Ply systems above</i> | | | | | | | |

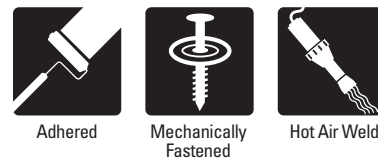
Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened AD = Adhered BA = Ballasted

Energy and the Environment

| | Standard | | Reflectivity | Emissivity |
|------------------|-----------------|--------------------|--------------|------------|
| CRRC® | White | Initial | 0.77 | 0.87 |
| | | 3 Yr. Aged | 0.70 | 0.86 |
| | Tan | Initial | 0.67 | 0.87 |
| | | 3 Yr. Aged | 0.62 | 0.90 |
| | Gray | Initial | 0.35 | 0.87 |
| | | 3 Yr. Aged | 0.34 | 0.90 |
| CA Title 24 | White | Pass | 0.77 | 0.87 |
| | Tan | Pass 3 Yr. Aged | SRI=75 | |
| ENERGY STAR® | White | Initial | 0.77 | 0.87 |
| | | 3 Yr. Aged | 0.70 | |
| | Tan | Initial | 0.67 | 0.87 |
| | | 3 Yr. Aged | 0.62 | |
| LEED® (SRI) | White | Initial | 95 | |
| | | 3 Yr. Aged | 85 | |
| | Tan | Initial | 81 | |
| | | 3 Yr. Aged | 75 | |
| | Gray | Initial | 39 | |
| | | 3 Yr. Aged | 37 | |
| Recycled Content | Post-consumer | 0% | | |
| | Post-industrial | 5% | | |

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

Installation/Application



Refer to JM TPO application guides and detail drawings for instructions.

Packaging and Dimensions

| Roll Widths | 5' (1.52 m) | 6' (1.83 m) | 8' (2.44 m) | 10' (3.05 m) | 12' (3.66 m) |
|--------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| Roll Lengths | 100' (30.48 m) | | | | |
| Roll Coverage | 500 ft² (46.45 m²) | 600 ft² (55.74 m²) | 800 ft² (74.32 m²) | 1000 ft² (92.90 m²) | 1200 ft² (111.5 m²) |
| Rolls per Pallet | 8 | | | | |
| Pallet Weight | 1384 lb (627.8 kg) | 1680 lb (762.0 kg) | 2200 lb (997.9 kg) | 2760 lb (1251.9 kg) | 3240 lb (1469.6 kg) |
| Pallets per Truck* | 28-32 | 22-26 | 18-20 | 12-16 | 12-14 |
| Producing Location | Scottsboro, AL | | | | |

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

Peak Advantage® Guarantee Information

| Product | Guarantee Term |
|---------------|------------------------|
| JM TPO 60 mil | 5, 10, 15, or 20 years |

Codes and Approvals



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.

Meets or exceeds the requirements of ASTM D 6878

Tested Physical Properties

| Physical Properties | | ASTM Test Method | Standard for ASTM D 6878 (Min.) | JM TPO – 60 mil | |
|-----------------------|---|------------------|---|---|-------------|
| | | | | 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 | |

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.

Supplemental Testing

| Physical Properties | ASTM Test Method | Standard for ASTM D 6878 (Min.) | JM TPO – 60 mil Result |
|--|------------------|---------------------------------|---|
| Dynamic Puncture | D 5635 | N/A | Pass @ 25 Joules |
| Static Puncture | D 5602 | N/A | Pass @ 44 lb (20 kg) |
| Impact Resistance of Bituminous Roofing Systems | D 3746 | N/A | Pass - minor indentations |
| Reflectance | C 1549 | N/A | 78% |
| | E 903 | N/A | 80% |
| Emittance | C 1371 | N/A | 0.87 |
| | E 408 | N/A | 0.96 |
| SRI | E 1980 | N/A | 95 |
| Resistance of Synthetic Polymer Material to Fungi | G 21 | N/A | 0 rating |
| Puncture Resistance (FTMS 101C, Method 2031) | N/A | N/A | 371 lb (168 kg) |
| Moisture Vapor Transmission | E 96 | N/A | 0 g/m ² per 24 hours |
| Hydrostatic Resistance, Mullen | D 751 | N/A | 474 PSI (3268 kPa) |
| Standard Test Method for Air Permeance of Building Materials | E 2178 | N/A | Pass @ <0.0005 L/(s•m ²) (Pass @ <0.0001 CFM/ft ²) |

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