



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

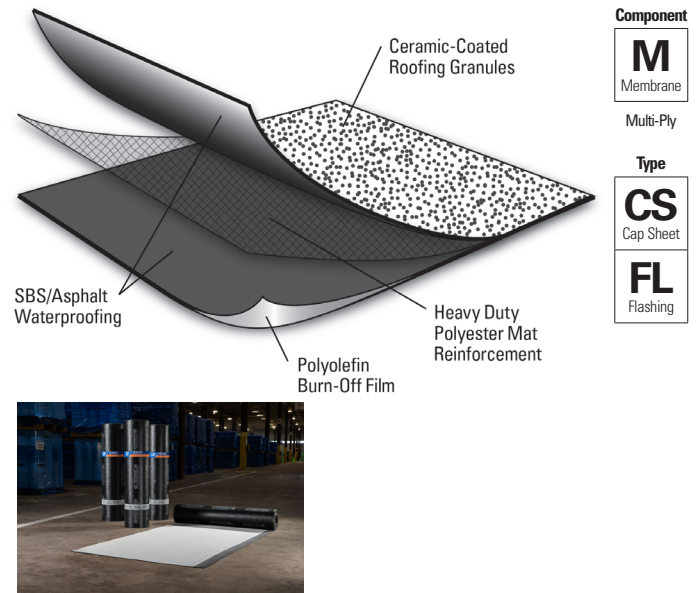
Features and Components

Ceramic-Coated Roofing Granules: Specifically engineered for optimal embedment in the SBS-blend sheet. The ceramic coating promotes excellent long-term adhesion. Granules are available in White, Black and Tan (Black and Tan may require extended lead times).

Fiber Glass/Polyester Reinforcement Mat: 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.



Colors: White, Grey, Brown and Dark Brown

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 |
| 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

| Test | Initial | 3-Year Aged |
|---|---------|-------------|
| Reflectivity* (ASTM C 1549) | 0.26 | 0.27 |
| Emissivity* (ASTM C 1371) | 0.87 | 0.84 |
| Solar Reflectance Index* (SRI) - E 1980 | 25 | 25 |
| Pre-Consumer Recycled Content | 0% | |
| Post-Consumer Recycled Content | 0% | |

*Standard White Granule only

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



*Tested in Accordance with CSA 123.21-14 EST

Product Application



Heat Weld

- 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

| | |
|---------------------|---|
| Roll Coverage* | 77.38 ft ² (7.2 m ²) |
| Roll Length | 26' 3" (8 m) |
| Roll Width | 39 3/8" (1 m) |
| Roll Weight | 90 lb (40.82 kg) |
| Rolls per Pallet | 20 |
| Pallet Weight | 1,930 lb (875 kg) |
| Pallets per Truck** | 20 |

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

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Tested Physical Properties¹

| Physical Properties | | ASTM Test Method | Standard for ASTM D 6164, Type II, Grade G (Min.) | DynaWeld Cap 250 .86 Sq | |
|---------------------|--|-------------------------|--|---|------------------------|
| | | | | 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) | |
| | Granule Loss | D 4977 | 2 g (0.07 oz) | 0.7 g (0.02 oz) | |
| | Thickness | D 5147 | 130 mil. (3.3 mm) | 165 mil. (4.2 mm) | |
| | Selvage Edge Thickness | D 5147 | N/A | 134 mil. (3.4 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 | 90 lb/100 ft ² (41 kg/9.29 m ²) | 110 lb/100 ft ² (49.9 kg/9.29 m ²) | |
| | Roll Weight | D 146 | N/A | 90 lb (40.82 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 | DynaWeld Cap 250 .86 Sq 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* |
| Coefficient of Friction | Static | D 1894 | 1.32 |
| | Kinetic | D 1894 | 0.89 |

*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.