

Meets the requirements of ASTM D 6162, Type 1, Grade G

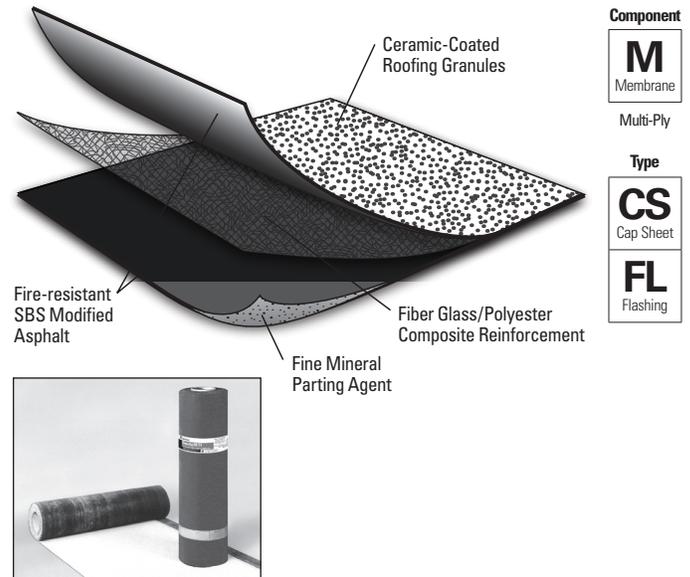
Features and Components

DynaKap FR T1 is used as a premium fiber glass/polyester-reinforced mineral-surfaced cap sheet in a variety of multi-ply roofing systems.

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 or Black.

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. The FR blend contains additional fire-retardant additives.

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.



Colors: White, Black & Shakewood Tan

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 | IW | BA | |
| Compatible with the selected multi-ply systems above | | | | | | | | | | | |

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

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

Energy and the Environment

| Test | Initial | 3-Year Aged |
|---|---------|-------------|
| Reflectivity* (ASTM C 1549) | 0.28 | 0.25 |
| Emissivity* (ASTM C 1371) | 0.89 | 0.92 |
| Solar Reflectance Index* (SRI) - E 1980 | 29 | 26 |
| 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



Product Application



- 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 | 105 lb (47.6 kg) |
| Rolls per Pallet | 20 |
| Pallet Weight | 2,430 lb (1,102 kg) |
| Pallets per Truck** | 20 |
| Producing Locations | South Gate, CA Macon, GA Plattsburgh, NY |

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

Meets the requirements of ASTM D 6162, Type 1, Grade G

Tested Physical Properties

| Physical Properties | | ASTM Test Method | Standard for ASTM D 6162, Type I, Grade G (Min.) | DynaKap FR 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 | D 5147 | 0°F (-18°C) | -20°F (-29°C) |
| | | 90-Day Heat Conditioned | D 5147 | 0°F (-18°C) | -15°F (-26°C) |
| | Compound Stability | D 5147 | 195°F (91°C) | 250°F (121°C) | |
| | Granule Loss | D 4977 | 2 g (0.07 oz) | 0.7 g (0.02 oz) | |
| | Thickness | D 5147 | 110 mil (2.8 mm) | 157 mil (4.0 mm) | |
| | Selvage Edge Thickness | D 5147 | N/A | 119 mil (3.0 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) | 100 lb/100 ft² (45.4 kg/9.29 m²) | |
| | Roll Weight | D 146 | N/A | 105 lb (47.6 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 | DynaKap FR 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** |
| 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.

**When adhered to DynaPly T1 in hot asphalt.

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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