

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

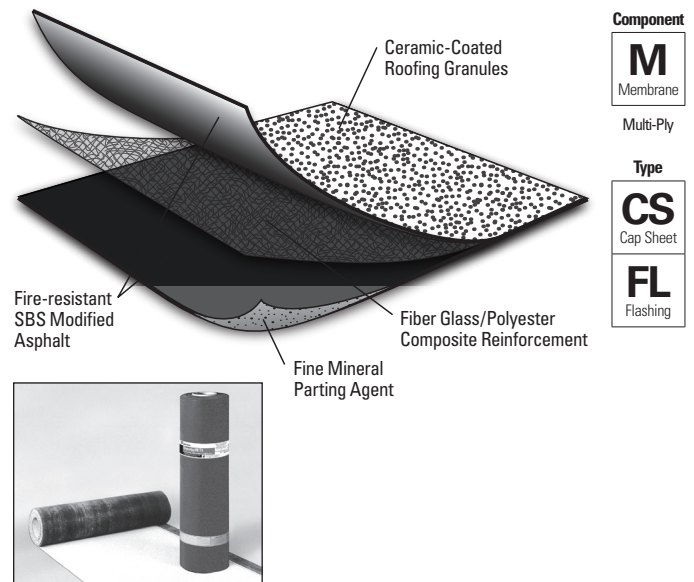
Features and Components

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 or Black.

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



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

*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 ft ² (27.2 kg/9.29 m ²)	100 lb/100 ft ² (45.4 kg/9.29 m ²)	
	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.