

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

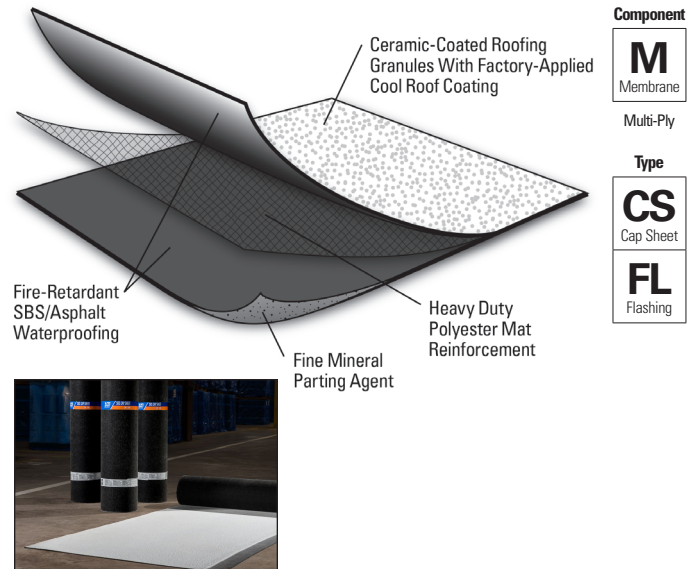
Features and Components

DynaLastic 250 FR CR is used as a premium polyester-reinforced cool roof cap or flashing sheet in a variety of multi-ply roofing systems.

Ceramic-Coated Roofing Granules with Factory-Applied Cool Roof Coating: The cool roof technology combines the proven UV protection of ceramic-coated granules with a highly reflective coating, offering long-term performance and potential energy savings.

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.

Heavy Duty Polyester-Reinforcement Mat: Provides excellent tensile strength, toughness and puncture resistance, and it can accommodate stresses created by typical rooftop expansion and contraction forces.



Color: Bright white only

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		
Compatible with the selected Multi-Ply systems above										

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
Do not use in Single Ply systems										

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

CRRC*	Test	Initial	3-Year Aged**
		Reflectivity (ASTM C 1549)	0.83
	Emissivity (ASTM C 1371)	0.91	0.88
Rated Product ID: 0662-0007b Licensed Manufacturer ID: 0662 Classification: Production Line			
LEED®	Solar Reflectance Index (SRI) - E 1980	104	95
	Recycled Content	0%	

* Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building construction may vary.

Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating normal procedures.

** Tested in accordance with Rapid Ratings D7897.

CAN BE USED TO COMPLY WITH 2016 TITLE 24 PART 6 COOL ROOF REQUIREMENTS

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	120 lb (54.4 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.

Refer to the Safe Use Instructions and product label prior to using this product. The Safe Use Instructions are available by calling (800) 922-5922 or on the Web at www.jm.com/roofing.

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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type II, Grade G (Min.)	DynaLastic 250 FR CR	
				MD*	XMD**
Strength	Tensile Tear	D 5147	70 lbf (311 N)	181 lbf (805 N)	124 lbf (552 N)
	Peak Load at 0°F (-18°C)	D 5147	100 lbf (45 kgf)	184 lbf (84 kgf)	122 lbf (55 kgf)
	Peak Load at 77°F (23°C)	D 5147	70 lbf (32 kgf)	106 lbf (48 kgf)	84 lbf (38 kgf)
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)	-20°F (-29°C)
	Compound Stability	D 5147	215°F (102°C)	250°F (121°C)	
	Granule Loss	D 4977	2 g (0.07 oz)	0.2 g (0.01 oz)	
	Thickness	D 5147	130 mil (3.3 mm)	161 mil (4.1 mm)	
	Selvage Edge Thickness	D 5147	N/A	134 mil (3.4 mm)	
	Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	46%	54%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	50%	58%	71%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	60%	61%	76%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	100 lbf (45 kgf)	178 lbf (81 kgf)	119 lbf (54 kgf)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	49%	60%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	70 lbf (32 kgf)	133 lbf (60 kgf)	96 lbf (44 kgf)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	50%	58%	68%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	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)	115 lb/100 ft ² (52.2 kg/9.29 m ²)	
	Roll Weight	D 146	N/A	120 lb (54.4 kg)	

*MD = Machine Direction

**XMD = Cross-Machine Direction

Note: All data represents tested values.

Supplemental Testing

Physical Properties		ASTM Test Method	DynaLastic 250 FR CR 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	1.08
	Kinetic	D 1894	0.75

*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.