DYNALASTIC® 250 FR CR G

Fire Retardant, Heavy Duty Polyester-Reinforced, SBS Reflective Mineral-Surfaced, Cool Roof Cap or Flashing Sheet

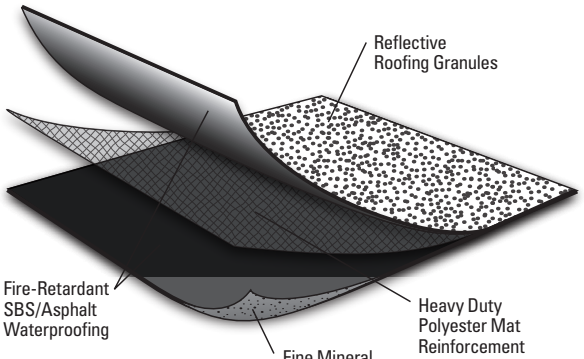
Meets the requirements of ASTM D 6164, Type II, Grade G

Features and Components

Reflective Roofing Granules: Specifically engineered for high reflectivity, durability and optimal embedment in the SBS modified bitumen sheet.

Elastomeric SBS Rubber and Asphalt Blend: Provides full recovery properties after 100% elongation, and lends elasticity and flexibility to the sheet and contains fire-retardant additives.

Heavy Duty Polyester Mat Reinforcement: A tough, nonwoven polyester mat provides excellent tensile strength, toughness and puncture resistance, and can accommodate stresses created by typical rooftop expansion and contraction forces.



Component
M Membrane
Multi-Ply

Type
CS Cap Sheet
FL Flashing

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	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**
CRRC®*	Reflectivity (ASTM C 1549)	0.72	0.67
	Emissivity (ASTM C 1371)	0.89	0.89
	Rated Product ID: 0662-0042a Licensed Manufacturer ID: 0662 Classification: Production Line		
	This product meets the requirements of California Title 24, Part 6		
LEED®	Solar Reflectance Index (SRI) - E 1980	88	81
	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.

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 for guarantee lengths.

Codes and Approvals

Installation/Application


Hot Asphalt


Cold Applied

- 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 ft² (8.9 m²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 ⅜" (1 m)
Roll Weight	107 lb (48.5 kg)
Rolls per Pallet	20
Pallet Weight	2,195 lb (995.6 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 G	
					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 73.4°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	2g (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 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 ft² (41 kg/9.29 m²)	90 lb/100 ft² (41 kg/9.29 m²)	
	Roll Weight		D 146	N/A	107 lb (48.5 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 G 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	1.34
	Kinetic	D 1894	1.06

*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.

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