



DynaLastic® 180 FR

Fire-Retardant Polyester-Reinforced SBS Mineral-Surfaced Cap or Flashing Sheet

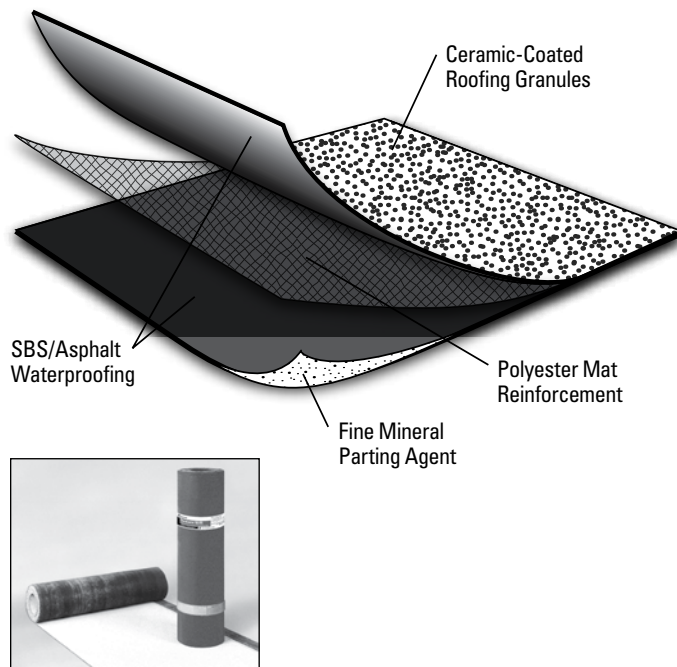
Meets the requirements of ASTM D 6164, Type 1, Grade G.

Features

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).

High-Quality SBS Rubber and Asphalt Blend: Lends elasticity and flexibility to the sheet and contains fire-retardant additives. The thicker JM SBS coating provides more waterproofing value.

Polyester Reinforcement Mat: 180 g/m² polyester mat with bidirectional glass-scrim reinforcement offers robust tear strength and puncture resistance, allowing for high wind performance and excellent hail rating. The sheet also exhibits strong dimensional stability and enhanced elongation.



Energy and the Environment

	Initial	3-Year Aged
Reflectivity* (ASTM C 1549)	0.28	0.27
Emissivity* (ASTM C 1371)	0.88	0.84
Solar Reflectance Index* (SRI) - E 1980	29	25
Postconsumer Recycled Content	0%	
Preconsumer Recycled Content	0%	

*Standard White Granule only

Packaging and Dimensions

Roll Coverage	95.3 ft ² (8.9 m ²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 ³ / ₈ " (1 m)
Rolls per Pallet	20
Pallet Weight	2,198 lb (997 kg)
Pallets per Truck*	22
Producing Locations	Macon, GA Plattsburgh, NY South Gate, CA

*Assumes flatbed truck.

Peak Advantage® Guarantee Information

Systems	Guarantee Term
When used in most 2 to 5 ply JM SBS systems.*	10, 15 or 20 years

*Contact JM Technical Services for specific systems or terms over 20 years.

Refer to the Material Safety Data Sheet and product label prior to using this product.

Installation



- May be installed in Type III or Type IV asphalt or in an approved adhesive
- Laps may also be installed using heat-welding techniques
- For application in hot asphalt, Type III or Type IV asphalt should be used for slopes under ½" per foot and only Type IV asphalt should be used for slopes from ½" to 3" per foot (41.6 to 250 mm/m)
- For adhesive application, see specific approvals for slope limitations

Codes and Approvals





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Fire-Retardant Polyester-Reinforced
SBS Mineral-Surfaced Cap or Flashing Sheet

Meets the requirements of ASTM D 6164, Type 1, Grade G.

Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6164, Type 1, Grade G (Min.)	DynaLastic 180 FR	
				MD*	XMD**
Strength	Tensile Tear	D 5147	55 lbf (245 N)	125 lbf (556 N)	90 lbf (400 N)
	Peak Load at 0°F (-18°C)	D 5147	70 lbf/in. (12 kN/m)	110 lbf/in. (19.3 kN/m)	90 lbf/in. (15.8 kN/m)
	Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in. (8.8 kN/m)	80 lbf/in. (14.0 kN/m)	60 lbf/in. (10.5 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)	-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)	0.7 g (0.02 oz)	
	Thickness	D 5147	130 mil (3.3 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	20%	35%	40%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	55%	60%
	Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	70%	80%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	70 lbf/in. (12 kN/m)	110 lbf/in. (19.3 kN/m)	90 lbf/in. (15.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	20%	25%	25%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	50 lbf/in. (8.8 kN/m)	85 lbf/in. (14.9 kN/m)	65 lbf/in. (11.4 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	35%	35%	45%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	38%	45%	45%
Installation	Dimensional Stability	D 5147	1.0%	0.2%	0.1%
	Net Mass per Unit Area	D 146	75 lb/100 ft² (34 kg/9.29 m²)	93 lb/100 ft² (42 kg/9.29 m²)	
	Roll Weight	D 146	N/A	101 lb (46 kg)	

*MD = Machine Direction
**XMD = Cross-Machine Direction

Note: All data represents tested values.

Supplemental Testing

Physical Properties	ASTM Test Method	Standard for ASTM D 6164, Type 1, Grade G (Min.)	DynaLastic 180 FR Result
Cyclic Joint Displacement – Initial	D 5849	N/A	Pass at 500 cycles*

*When adhered to DynaLastic 180 S in hot asphalt.