



DynaWeld™ Cap FR

Fire-Retardant Fiber Glass-Reinforced SBS Mineral-Surfaced Cap Sheet

Meets the requirements of ASTM D 6163, Type 1, Grade G.

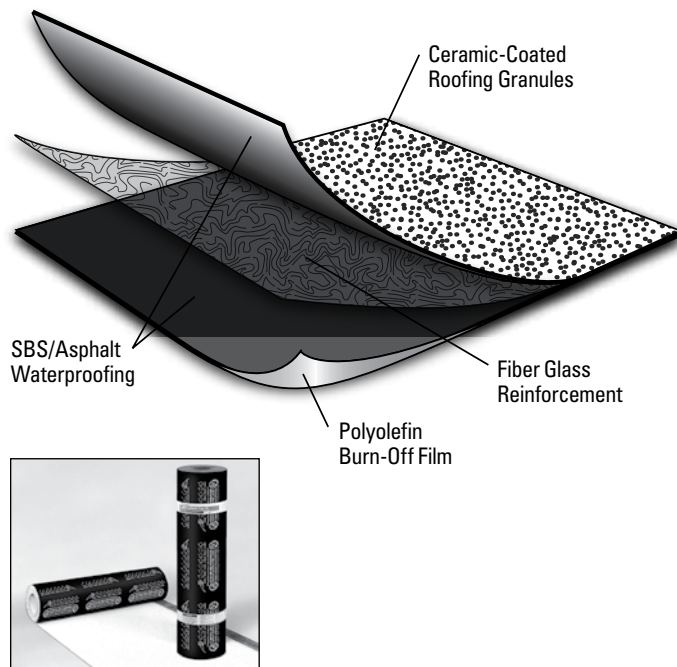
Features

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.

Fiber Glass Reinforcement Mat: Offers excellent dimensional stability and tensile strength and withstands differential movement. Because it has no thermal memory less time is needed to relax the sheet, allowing for ease of installation. The fiber glass mat also has good lay-flat characteristics, contributing to better aesthetics.

Polyolefin Burn-Off Film: Promotes ease of heat welding.



Energy and the Environment

	Initial	3-Year Aged
Reflectivity* (ASTM C 1549)	0.29	0.27
Emissivity* (ASTM C 1371)	0.88	0.84
Solar Reflectance Index* (SRI) - E 1980	30	25
Postconsumer Recycled Content	0%	
Preconsumer Recycled Content	0%	

*Standard White granule only

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)
Rolls per Pallet	20
Pallet Weight	2,360 lb (1,070 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



Heat Weld

- Must be installed using heat-welding techniques
- Ideal for low-slope applications up to 3" per foot (2.5cm/m)

Codes and Approvals





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SBS Mineral-Surfaced Cap Sheet

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Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6163, Type 1, Grade G (Min.)	DynaWeld Cap FR	
				MD*	XMD**
Strength	Tensile Tear	D 5147	35 lbf (156 N)	105 lbf (467 N)	90 lbf (400 N)
	Peak Load at 0°F (-18°C)	D 5147	70 lbf/in. (12.3 kN/m)	130 lbf/in. (22.8 kN/m)	100 lbf/in. (17.5 kN/m)
	Peak Load at 77°F (23°C)	D 5147	30 lbf/in. (5.3 kN/m)	70 lbf/in. (12.3 kN/m)	50 lbf/in. (8.8 kN/m)
Longevity	Low Temp. Flexibility	Unconditioned	D 5147	0°F (-18°C)	-10°F (-23°C)
		90-Day Heat Conditioned	D 5147	0°F (-18°C)	-10°F (-23°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	95 mil (2.4 mm)	165 mil (4.2 mm)	
	Selvage Edge Thickness	D 5147	N/A	130 mil (3.3 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%	4%	4%
	Ultimate Elongation at 77°F	D 5147	3%	50%	55%
Aged Performance	90-Day Heat-Conditioned Peak Load at 0°F (-18°C)	D 5147	70 lbf/in. (12.3 kN/m)	145 lbf/in. (25.4 kN/m)	105 lbf/in. (18.4 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 0°F (-18°C)	D 5147	1%	5%	4%
	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	30 lbf/in. (5.3 kN/m)	110 lbf/in. (19.3 kN/m)	75 lbf/in. (13.1 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	2%	4%	4%
	90-Day Heat-Conditioned Ultimate Elongation at 73.4°F (23°C)	D 5147	3%	6%	7%
Installation	Dimensional Stability	D 5147	0.5%	0.1%	0.1%
	Back Coating Thickness	D 5147	40 mil (1.0 mm)	47 mil (1.2 mm)	
	Net Mass per Unit Area	D 146	65 lb/100 ft ² (30 kg/9.29 m ²)	99 lb/100 ft ² (45 kg/9.29 m ²)	
	Roll Weight	D 146	N/A	106 lb (48 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 6163, Type 1, Grade G (Min.)	DynaWeld Cap FR Result
Cyclic Joint Displacement	Initial	D 5849	N/A	Pass at 500 cycles*
	After 90-Day Heat Conditioning per ASTM D 5147	D 5849	N/A	Pass at 200 cycles*
	After 180-Day Heat Conditioning per ASTM D 5147	D 5849	N/A	Pass at 200 cycles*

*When heat welded to DynaWeld Base or DynaBase HW.