DynaWeld™ Cap 250

Polyester-Reinforced, SBS Mineral-Surfaced Cap or Flashing Sheet

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

Features and Components

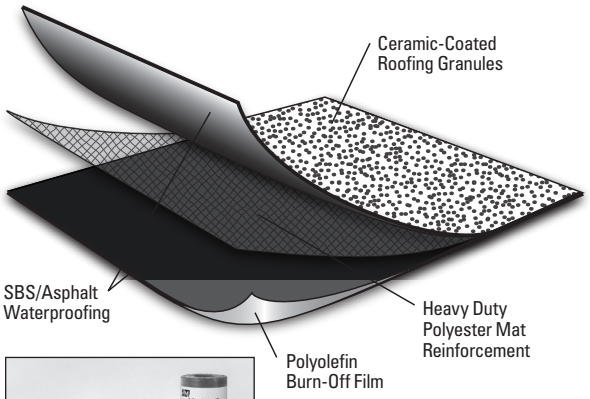
DynaWeld Cap 250 is used as a premium polyester-reinforced cap or flashing sheet in a variety of multi-ply roofing systems.

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, Black and Tan (Black and Tan may require extended lead times).

Fiber Glass/Polyester Reinforcement Mat: 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.

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

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



Component: **M** Membrane — Multi-Ply

Type: **CS** Cap Sheet; **FL** Flashing

Colors: White, Black and Tan
(Black and Tan may require extended lead times).

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 with 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

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

CLASSIFIED UL US

FM APPROVED

MIAMI-DADE COUNTY APPROVED
Miami-Dade County Product Control Approved

Product Application

Heat Weld

- Must 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 m)
Roll Width	39 3/8" (1 m)
Roll Weight	115 lb (52.2 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[1]

Physical Properties			ASTM Test Method	Standard for ASTM D 6164, Type II, Grade G (Min.)	DynaWeld Cap 250	
					MD*	XMD**
Strength	Tensile Tear		D 5147	70 lbf (311 N)	181 lbf (805 N)	124 lbf (552 N)
	Peak Load at -18°C (0°F)		D 5147	100 lbf/in (17.5 kN/m)	184 lbf/in (32.2 kN/m)	122 lbf/in (21.4 kN/m)
	Peak Load at 23°C (73.4°F)		D 5147	70 lbf/in (12 kN/m)	106 lbf/in (18.6 kN/m)	84 lbf/in (14.7 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	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 -18°C (0°F)		D 5147	20%	46%	54%
	Elongation at Peak Load at 23°C (73.4°F)		D 5147	50%	58%	71%
	Ultimate Elongation at 23°C (73.4°F)		D 5147	60%	61%	76%
Aged Performance	90-Day Heat-Conditioned Peak Load at -18°C (0°F)		D 5147	100 lbf/in (17.5 kN/m)	178 lbf/in (31.2 kN/m)	119 lbf/in (20.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at -18°C (0°F)		D 5147	20%	49%	60%
	90-Day Heat-Conditioned Peak Load at 23°C (73.4°F)		D 5147	70 lbf/in (12 kN/m)	133 lbf/in (23.3 kN/m)	96 lbf/in (16.8 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 23°C (73.4°F)		D 5147	50%	58%	68%
	90-Day Heat-Conditioned Ultimate Elongation at 23°C (73.4°F)		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)	110 lb/100 ft² (49.9 kg/9.29 m²)	
	Roll Weight		D 146	N/A	115 lb (52.2 kg)	

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

1. Material tested in accordance with CAN/CGSB 37-GP-56M.

Supplemental Testing

Physical Properties		ASTM Test Method	DynaWeld Cap 250 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	1.32
	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.

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