



# DynaWeld™ Cap FR XT CR G

Premium Fire-Retardant, Fiber Glass-Reinforced, SBS Reflective Mineral-Surfaced, Cool Roof Cap or Flashing Sheet

Meets the requirements of ASTM D 6163, Type II, Grade G

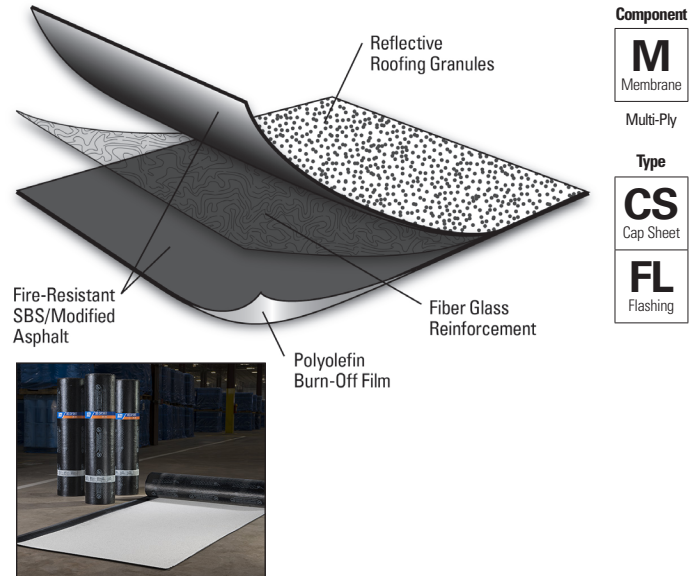
## Features and Components

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

**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.

**Heavy Weight 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.

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



<b>Component</b>
<b>M</b> Membrane
Multi-Ply
<b>Type</b>
<b>CS</b> Cap Sheet
<b>FL</b> 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	HW	HA	CA	HW	SA	MF		
<i>Compatible with the selected Multi-Ply systems above</i>										

Single Ply	TPO				PVC			EPDM		
	MF	AD	SA	IW	MF	AD	IW	MF	AD	BA
<i>Do not use with Single Ply systems</i>										

**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)	0.70
	Emissivity (ASTM C 1371)	0.90	0.91
Rated Product ID: 0662-0042c Licensed Manufacturer ID: 0662 Classification: Production Line			
LEED®	Solar Reflectance Index (SRI) - E 1980	85	80
	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 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 for guarantee lengths.

## Codes and Approvals



## 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 ft <sup>2</sup> (8.9 m <sup>2</sup> )
Roll Length	32' 10" (10 m)
Roll Width	39 3/8" (1 m)
Roll Weight	100 lb (45.4 kg)
Rolls per Pallet	20
Pallet Weight	2,055 lb (932.1 kg)
Pallets per Truck**	20

\*Assumes a 4" side lap \*\*Assumes 48' flatbed truck.

## Storage

Shelf Life*	3 months
Storage Conditions*	Max temperature 120°F (48.8°C) and out of direct sunlight

\*Extended storage of CR G membranes at elevated temperatures can lead to staining prior to installation

Meets the requirements of ASTM D 6163, Type II, Grade G

## Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6163, Type II, Grade G (Min.)	DynaWeld Cap FR XT CR G	
				MD*	XMD**
Strength	Tensile Tear	D 5147	110 lbf (489 N)	198 lbf (467 N)	189 lbf (400 N)
	Peak Load at 0°F (-18°C)	D 5147	150 lbf/in (26.8 kN/m)	173 lbf/in (30.3 kN/m)	190 lbf/in (33.3 kN/m)
	Peak Load at 77°F (23°C)	D 5147	80 lbf/in (14 kN/m)	119 lbf/in (20.9 kN/m)	99 lbf/in (17.4 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	105 mil (2.7mm)	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	2%	5%	5%
	Elongation at Peak Load at 73.4°F (23°C)	D 5147	4%	5%	5%
Aged Performance	90-Day Heat-Conditioned Peak Load at 73.4°F (23°C)	D 5147	80 lbf/in (19 kN/m)	139 lbf/in (24.4 kN/m)	181 lbf/in (21.1 kN/m)
	90-Day Heat-Conditioned Elongation at Peak Load at 73.4°F (23°C)	D 5147	4%	5%	5%
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	35 lb/100 ft² (36 kg/9.29 m²)	90 lb/100 ft² (41 kg/9.29 m²)	
	Roll Weight	D 146	N/A	105 lb (47.6 kg)	

\*MD = Machine Direction

\*\*XMD = Cross-Machine Direction

Note: Material tested in accordance with ASTM D 5147 Standard Test Methods for Sampling and Testing Modified Bituminous Sheet Materials.

## Supplemental Testing

Physical Properties		ASTM Test Method	Standard for ASTM D 6163, Type 1, Grade G (Min.)	DynaWeld Cap FR XT CR G 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.

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The Safety Data Sheet is available by calling (800) 922-5922 or on the web at [www.jm.com/roofing](http://www.jm.com/roofing). The physical and chemical properties of the product listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Check with the regional sales representative nearest you for current information.

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