

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

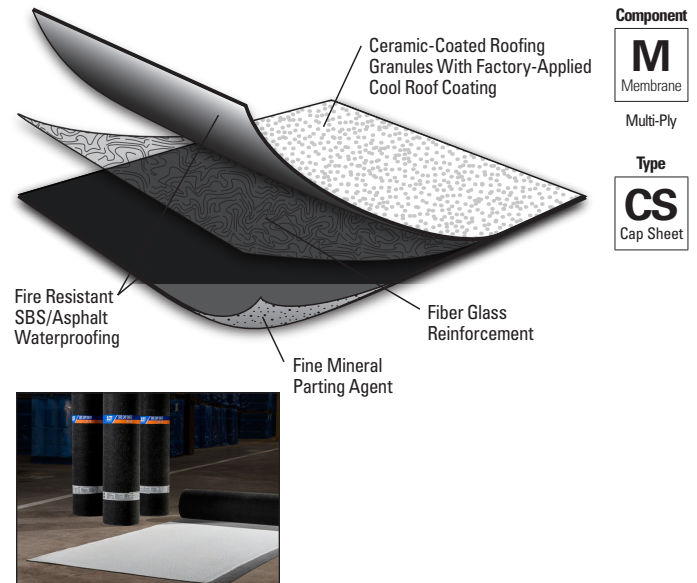
Features and Components

DynaGlas FR CR is used as a fiber glass-reinforced cool roof cap sheet in a variety of multi-ply roofing systems.

Ceramic-Coated Roofing Granules With Factory-Applied Cool Roof Coating: The cool roof technology combines the proven UV protection of ceramic-coated granules with a highly reflective coating, offering long-term performance and potential energy savings. Color: White only.

High-Quality SBS Rubber and Asphalt Blend: 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. The FR blend contains additional fire-retardant additives.

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.



Component
M
Membrane
Multi-Ply
Type
CS
Cap Sheet

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

CRRC®**	Test	Initial	3-Year Aged**
	Reflectivity (ASTM C 1549)	0.83	0.77
	Emissivity (ASTM C 1371)	0.90	0.88
Rated Product ID: 0662-0007a 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	104	95
	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 or guarantee terms.

Codes and Approvals



Installation/Application



- 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 ft ² (8.9 m ²)
Roll Length	32' 10" (10.01 m)
Roll Width	39 3/8" (1 m)
Roll Weight	106 lb (48 kg)
Rolls per Pallet	20
Pallet Weight	2,150 lb (975.2 kg)
Pallets per Truck**	20

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

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

Tested Physical Properties

Physical Properties		ASTM Test Method	Standard for ASTM D 6163, Type 1, Grade G (Min.)	DynaGlas FR CR	
				MD*	XMD**
Strength	Tensile Tear	D 5147	35 lbf (156 N)	100 lbf (445 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 73.4°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)	157 mil (4.0 mm)	
	Selvage Edge Thickness	D 5147	N/A	122 mil (3.1 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 73.4°F (23°C)	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)	135 lbf/in (23.6 kN/m)	100 lbf/in (17.5 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)	100 lbf/in (17.5 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%	5%	6%
Installation	Dimensional Stability	D 5147	0.5%	0.1%	0.1%
	Net Mass per Unit Area	D 146	65 lb/100 ft ² (30 kg/9.29 m ²)	101 lb/100 ft ² (45.8 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	DynaGlas FR CR 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*
	After 180-Day Heat Conditioning per ASTM D 5147	D 5849	Pass at 200 cycles**
Coefficient of Friction	Static	D 1894	1.08
	Kinetic	D 1894	0.75

*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.

**When adhered to DynaBase in hot asphalt.