

## Description

DynaLastic 250 FR CR is a fire-resistant, polyester-reinforced SBS modified bitumen sheet. It incorporates the features of a tough, 250 g/m<sup>2</sup> (7.38 oz/yd<sup>2</sup>), nonwoven polyester mat that is saturated and coated with a blend of SBS (Styrene-Butadiene-Styrene) rubber, high-quality asphalt and fire-retardant additives. The

elastomeric asphalt blend has full recovery properties after 100% elongation and lends elasticity and flexibility to the sheet. The polyester mat provides excellent tensile strength, toughness and puncture resistance, and can accommodate stresses created by typical rooftop expansion and contraction forces. The covering layer of a white, acrylic coating combined with ceramic-coated roofing granules provides durability along with superior resistance to damage from foot traffic, as well as the benefits of a reflective, emissive surface.

## Use

DynaLastic 250 FR CR is designed for use as a quality modified bitumen sheet in UL® fire-rated, multiple-ply roofing systems. DynaLastic 250 FR CR, unlike many modified bitumen products, enjoys UL Class A ratings in numerous constructions, both new and re-roof, without the use of additional surfacings.


DynaLastic 250 FR CR is ideal for low-slope applications (inclines up to ½" per foot [41.6 mm/m]), and is recommended for this application with Types III and IV asphalt. For slopes from ½" to 3" per foot (41.6 to 250 mm/m), only Type IV asphalt is recommended. Because of its excellent weatherability, durability and handling characteristics, DynaLastic 250 FR CR may be used both as a modified bitumen cap sheet or as a flashing material; however, we require using DynaFlex® for flashing applications in many specifications. DynaLastic 250 FR CR may also be installed in JM MBR® Cold Application Adhesive. This product is not to be installed using heat-welding application techniques.

## Advantages

- The polyester mat provides superior puncture and tear resistance.
- The elongation and recovery properties of the SBS blend allow the product to easily accommodate the continual expansion and contraction strains experienced on all roofs.
- The product's flexibility and dimensional stability provide ease of handling, resulting in quick installations.
- Fire-retardant formulation.



## Energy and the Environment

 <p>COOL ROOF RATING COUNCIL MEMBER</p>	Solar Reflectance	Initial	Weathered
	Thermal Emittance	0.76	0.61
	Rated Product ID	0662-0007	
	Licensed Manufacturer ID	0662	
	Classification	Production Line	
<small>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.</small>			
<small>Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating normal procedures.</small>			

LEED®	Recycled Content: 0%	SRI 92
	Producing Locations: Oklahoma City, OK	

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

**Typical Physical Properties\***

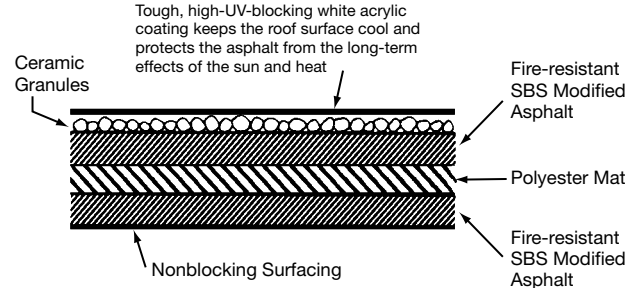
**Material meets or exceeds the criteria for ASTM D 6164, Type II, Grade G.**

Thickness .....	160 mil (4.06 mm)
<b>Tensile Strength @ 0°F (-18°C)</b>	
Machine Direction .....	150 lb force/in. width (26.25 kN/m)
Cross Machine Direction .....	115 lb force/in. width (20.13 kN/m)
<b>Elongation @ 0°F (-18°C)</b>	
Machine Direction .....	45%
Cross Machine Direction .....	45%
<b>Tensile-Tear</b>	
Machine Direction .....	170 lb/in. (29.75 kN/m)
Cross Machine Direction .....	120 lb/in. (21.0 kN/m)
Low Temperature Flexibility .....	-10°F (-23°C)
<b>Dimensional Stability</b>	
Machine Direction .....	0.70% change
Cross Machine Direction .....	0.30% change

\* Material tested in accordance with ASTM D 5147 Standard Test Method for Sampling and Testing Modified Bituminous Sheet Materials.

**Sizes**

Roll size .....	100 ft <sup>2</sup> (9.29 m <sup>2</sup> )
Roll weight .....	115 lb (52.16 kg)
Roll length .....	32' 10" (10.01 m)
Roll width .....	39 <sup>3</sup> / <sub>8</sub> " (1 m)



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

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