DynaLastic® 250 FR CR
Fire Retardant, Heavy Duty Polyester-Reinforced, SBS Mineral-Surfaced, Cool Roof Cap or Flashing Sheet

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

Features and Components

DynaLastic 250 FR CR is used as a premium polyester-reinforced cool roof cap or flashing 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.

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.

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

System Compatibility

This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

<table>
<thead>
<tr>
<th>Component</th>
<th>M</th>
<th>Membrane</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td></td>
<td>Multi-Ply</td>
</tr>
<tr>
<td>CS</td>
<td></td>
<td>Cap Sheet</td>
</tr>
<tr>
<td>FL</td>
<td></td>
<td>Flashing</td>
</tr>
</tbody>
</table>

System Compatibility Table

<table>
<thead>
<tr>
<th>Multi-Ply</th>
<th>BUR</th>
<th>APP</th>
<th>SBS</th>
</tr>
</thead>
<tbody>
<tr>
<td>HA</td>
<td>CA</td>
<td>HW</td>
<td>HA</td>
</tr>
<tr>
<td>CA</td>
<td>CA</td>
<td>HW</td>
<td>CA</td>
</tr>
<tr>
<td>HW</td>
<td>SA</td>
<td>MF</td>
<td>SA</td>
</tr>
</tbody>
</table>

Compatible with the selected Multi-Ply systems above

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

<table>
<thead>
<tr>
<th>Test</th>
<th>Initial</th>
<th>3-Year Aged**</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRRC* Reflectivity</td>
<td>0.83</td>
<td>0.80</td>
</tr>
<tr>
<td>Emissivity (ASTM C 1371)</td>
<td>0.91</td>
<td>0.88</td>
</tr>
</tbody>
</table>

Rated Product ID: 0662-0007b Licensed Manufacturer ID: 0662 Classification: Production Line

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

<table>
<thead>
<tr>
<th>Systems</th>
<th>Guarantee Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>When used in most 2-5 ply JM SBS systems.*</td>
<td>Up to 30 years</td>
</tr>
</tbody>
</table>

*Contact JM Technical Services for specific system requirements or guarantee terms.

Product 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 ft² (8.9 m²) |
| Roll Length    | 32’ 10” (10.101 m) |
| Roll Width     | 39 ¾” (1 m)         |
| Roll Weight    | 120 lb (54.4 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.

Codes and Approvals

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.

RS-4005 3-19 (Replaces 2-18)
# Tested Physical Properties

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Test Method</th>
<th>Standard for ASTM D 6164, Type II, Grade G (Min.)</th>
<th>DynaLastic 250 FR CR MD*</th>
<th>DynaLastic 250 FR CR XMD**</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strength</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile Tear</td>
<td>D 5147</td>
<td>70 lbf (311 N)</td>
<td>181 lbf (805 N)</td>
<td>124 lbf (552 N)</td>
</tr>
<tr>
<td>Peak Load at 0°F (-18°C)</td>
<td>D 5147</td>
<td>100 lbf (45 kgf)</td>
<td>184 lbf (84 kgf)</td>
<td>122 lbf (55 kgf)</td>
</tr>
<tr>
<td>Peak Load at 77°F (23°C)</td>
<td>D 5147</td>
<td>70 lbf (32 kgf)</td>
<td>106 lbf (48 kgf)</td>
<td>84 lbf (38 kgf)</td>
</tr>
<tr>
<td>Low Temp. Flexibility</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unconditioned</td>
<td>D 5147</td>
<td>0°F (-18°C)</td>
<td>-20°F (-29°C)</td>
<td></td>
</tr>
<tr>
<td>90-Day Heat Conditioned</td>
<td>D 5147</td>
<td>0°F (-18°C)</td>
<td>-20°F (-29°C)</td>
<td></td>
</tr>
<tr>
<td>Compound Stability</td>
<td>D 4977</td>
<td>215°F (102°C)</td>
<td>250°F (121°C)</td>
<td></td>
</tr>
<tr>
<td>Granule Loss</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Mass per Unit Area</td>
<td>D 146</td>
<td>90 lb/100 ft² (41 kg/9.29 m²)</td>
<td>115 lb/100 ft² (52.2 kg/9.29 m²)</td>
<td></td>
</tr>
<tr>
<td>Roll Weight</td>
<td>D 146</td>
<td>N/A</td>
<td>120 lb (54.4 kg)</td>
<td></td>
</tr>
</tbody>
</table>

*MD = Machine Direction  
**XMD = Cross-Machine Direction  
Note: All data represents tested values.

# Supplemental Testing

<table>
<thead>
<tr>
<th>Physical Properties</th>
<th>ASTM Test Method</th>
<th>DynaLastic 250 FR CR Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cyclic Joint Displacement Initial</td>
<td>D 5849</td>
<td>Pass at 500 cycles*</td>
</tr>
<tr>
<td>After 90-Day Heat Conditioning per ASTM D 5147</td>
<td>D 5849</td>
<td>Pass at 200 cycles*</td>
</tr>
<tr>
<td>Coefficient of Friction Static</td>
<td>D 1894</td>
<td>1.08</td>
</tr>
<tr>
<td>Kinetic</td>
<td>D 1894</td>
<td>0.75</td>
</tr>
</tbody>
</table>

*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.