PRODUCT DESCRIPTION

MACSEAL BDM Crack Sealant is a premium-quality, high-performance, hot-applied, single-component joint and crack sealant.

MACSEAL BDM Crack Sealant is a formulated blend of engineered asphalts, virgin polymers, synthetic rubbers, reinforcing fillers, anti-oxidants, and UV inhibitors.

MACSEAL BDM Crack Sealant offers advanced low temperature bonding properties, prolonged resistance to degradation from weather, and a positive seal during the expansion and contraction of the joint or crack. It remains ductile and highly resilient at low and high service temperatures.

GENERAL PRODUCT FEATURES

• Cures to a non-tacky finish
• Can be applied over a wide range of temperatures
• Engineered for moderate to cold in-service climate temperatures
• Flexible nature allows for quick relaxation during the build-up of thermal stresses in asphalt pavements which translates to enhanced performance.
• Easy to apply via a gravity-fed mechanism (e.g. pour pot, walk behind units, etc.) as well as via pump and hose/wand method
• Adheres very well to both hot mix asphalt and Portland cement concrete
• Engineered specifically for oil jacketed double boiler kettles. Not recommended for direct fire melters.
• Prevents the intrusion of water and incompressibles into the cracks of asphaltic and Portland cement concrete pavements

RECOMMENDED USE

MACSEAL BDM Crack Sealant is recommended for the large-scale sealing of joints and random cracks in Portland cement concrete and asphalt pavements. It provides good protection against repeated freeze-thaw cycles.

SPECIFICATIONS AND TYPICAL RESULTS

<table>
<thead>
<tr>
<th>TEST</th>
<th>TYPICAL DATA</th>
<th>SPEC.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point (COC), °C</td>
<td>275</td>
<td>-</td>
</tr>
<tr>
<td>Cone Penetration, 25°C, dmm</td>
<td>52</td>
<td>30 55</td>
</tr>
<tr>
<td>Flow, 60°C, mm</td>
<td>0</td>
<td>-</td>
</tr>
<tr>
<td>Softening Point R&amp;B, °C</td>
<td>91</td>
<td>88 93</td>
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<tr>
<td>Ductility, 25°C, cm</td>
<td>35</td>
<td>30</td>
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<tr>
<td>Resilience, 25°C, %</td>
<td>68</td>
<td>40</td>
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<tr>
<td>Cold Flexibility, °C</td>
<td>-25</td>
<td>-7</td>
</tr>
<tr>
<td>Asphalt Compatibility</td>
<td>Pass</td>
<td>Pass</td>
</tr>
</tbody>
</table>

TEMPERATURE VISCOSITY CHART

![Temperature Viscosity Chart](image-url)
APPLICATION GUIDELINES
For detailed MACSEAL BDM Crack Sealant joint and crack preparation or specific application instructions, refer to specifying agency publications or contact an MCA representative.

APPLICABLE SPECIFICATIONS
MACSEAL BDM Crack Sealant meets proprietary specifications.

APPLICATION TEMPERATURES
Recommended pouring temperature: 185°C (365°F)
Maximum safe heating temperature: 200°C (392°F)

MELTING EQUIPMENT
MACSEAL BDM Crack Sealant must be melted in a oil jacketed double boiler kettle equipped with a mechanical agitator and separate temperature thermometers for both the oil bath and melting vat.

COVERAGE
MACSEAL BDM Crack Sealant weighs approximately 1.18 kg/L (9.9 lb/gal). A joint 12.7 mm x 12.7 mm (½ x ½”) requires approximately 19.0 kg/100 linear meters (12.8 lbs/100 linear feet).

PACKAGING, STORAGE AND HANDLING
MACSEAL BDM Crack Sealant is available in the following packaging:
• 2 x 11 kg (25 lb) polybags in a high-strength, corrugated cardboard container. MACSEAL BDM Crack Sealant in boxes should kept in a dry environment.

CERTIFICATION OF QUALITY
McAsphalt Industries Limited is accredited to the quality management standard ISO 9001, the environmental management standard ISO 14001, and the occupational health and safety standard ISO 45001.

Each lot of MACSEAL BDM Crack Sealant is produced using the strictest quality, safety, and environmental guidelines. Each production lot is tested to ensure it meets or exceeds all performance requirements and is delivered with a Certificate of Analysis.

PRODUCT SUPPORT
With the MCA Advantage, you get a partner and advisor who will consult with you about designs, specifications, technical services, processes, and material selection. By developing innovative, custom-designed products that offer additional benefits such as peak performance in unique conditions, improved field performance, and greater environmental and health benefits, the MCA Advantage provides significant long-term cost savings, resulting in lower total cost of ownership.