

MACSEAL BDM CRACK SEALANT

HOT APPLIED JOINT & CRACK SEALANT

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 climates
- Its flexible nature allows for quick relaxation during the build-up of thermal stresses in asphalt pavements, translating in enhanced field performance
- Easy to apply via gravity type 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 double boiler/oil jacketed kettles. Not recommended for direct fire melters.
- Prevents the intrusion of water and incompressibles into the cracks of asphaltic and Portland cement concrete pavements

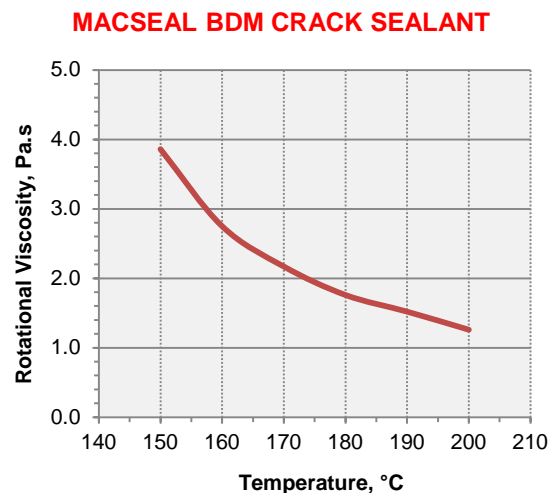
RECOMMENDED USE

BDM CRACK SEALANT is recommended for the large scale sealing of joints and random cracks in portland cement concrete and asphalt pavements. It will provide good protection against repeated freeze thaw cycles.

SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC RANGE	
		Min	Max
Flash Point (COC), °C	275
Cone Penetration, 25°C, dmm	52	30	55
Flow, 60°C, mm	0	...	3
Softening Point R&B, °C	91	88	93
Ductility, 25°C, cm	35	30	...
Resilience, 25°C, %	68	40	...
Cold Flexibility, °C	-25	-7	
Asphalt Compatibility	Pass	Pass	...

TEMPERATURE - VISCOSITY CURVE



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APPLICATION GUIDELINES

For detailed **MACSEAL BDM CRACK SEALANT** joint and crack preparation or specific application instructions refer to specifying agency publications or contact manufacturer 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 double boiler, oil-jacketed kettle, equipped with mechanical agitator and separate temperature thermometers for both the oil bath and melting vat.

COVERAGE

MACSEAL BDM CRACK SEALANT weighs approximately 9.9 lb/gal (1.18 kg/L). A joint ½ x ½ " (12.7 mm x 12.7 mm) requires approximately 12.8 lb per 100 lineal feet or 19.0 kg per 100 lineal meters.



PACKAGING, STORAGE AND HANDLING

MACSEAL BDM CRACK SEALANT is available in the following packaging:

- 485 lb (220 kg), open top drums containing 10 individual pucks of approximately 48.5 lb.
- 2 x 25 lb polybags in a high strength corrugated cardboard container

MACSEAL BDM CRACK SEALANT in drums can be stored inside or exposed to the elements, however **MACSEAL BDM CRACK SEALANT** in boxes should kept in a dry environment.

CERTIFICATION OF QUALITY

McAsphalt Industries Limited is accredited to the quality standard **ISO 9001** and to the environmental standard **ISO 14001**.

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 it 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, greater environmental and health benefits, the **MCA Advantage** provides significant long-term cost savings, resulting in lower "total cost of ownership."



McASPALT INDUSTRIES LIMITED

8800 Sheppard Ave East T 416.281.8181 TF 1.800.268.4238
 Toronto, ON M1B 5R4 F 416.281.8842 E info@mcasphalt.com

mcasphalt.com
 ISO 9001/14001/45001