

MACSEAL DF

HOT-APPLIED DIRECT FIRE JOINT & CRACK SEALANT

PRODUCT DESCRIPTION

MACSEAL DF is a single component joint and crack sealant specifically designed for use with direct fired, single-walled melters.

MACSEAL DF is manufactured using select engineered asphalt cements, polymers, selected oils, and UV inhibitors.

MACSEAL DF will not flow from the joint or be picked up by vehicle tires, foot traffic, skateboards, or roller blade wheels in high surface 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
- Slightly stiffer nature is ideal for applications such as driveways, parking lots, bicycle trails, and areas with foot traffic.
- Works well to fill larger cracks and for routine maintenance of hot mix asphalt and Portland cement concrete
- 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
- Can be used in either direct fire or oil jacketed kettles
- Prevents the intrusion of water and incompressible matter into the cracks of asphaltic and Portland cement concrete pavements

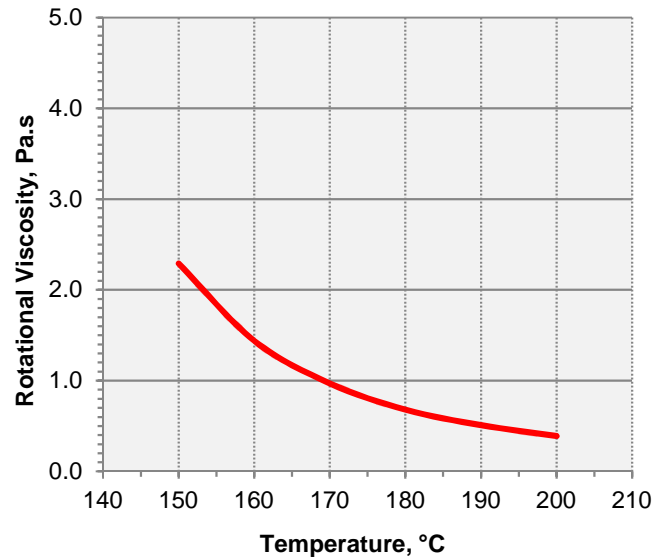
RECOMMENDED USE

MACSEAL DF was designed for the routine maintenance of asphalt concrete pavements on driveways, parking lots, bicycle paths, and walkways using direct fire melters.

SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC.	
		Min	Max
Flash Point (COC), °C	275	-	-
Cone Penetration, 25°C, dmm	48	-	60
Flow, 60°C, mm	0	-	3
Resilience, 25°C, %	52	-	-
Asphalt Compatibility	Pass	Pass	-

TEMPERATURE VISCOSITY CHART



APPLICATION GUIDELINES

For detailed **MACSEAL DF** joint and crack preparation or specific application instructions, refer to specifying agency publications or contact manufacturer representative.

APPLICATION TEMPERATURES

For detailed **MACSEAL DF** joint and crack preparation or specific application instructions, refer to specifying agency publications or contact an **MCA** representative.



MCASPHALT INDUSTRIES LIMITED

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mcasphalt.com
 ISO 9001/14001/45001

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MELTING EQUIPMENT

MACSEAL DF was designed to be melted in direct fire melters equipped with either a hand operated or mechanically operated agitator. It can also be melted in a, oil-jacketed double boiler kettle equipped with a mechanical agitator and separate temperature thermometers for both the oil bath and the melting vat.

COVERAGE

MACSEAL DF weighs approximately 1.13 kg/L (9.4 lb/gal). A joint 12.7 mm x 12.7 mm (½ x ½ in) requires approximately 18.2 kg/100 linear meters (12.2 lb/100 linear feet).

PACKAGING, STORAGE AND HANDLING

MACSEAL DF is available in the following packaging:

- 14 kg (25 lb) polybags in a high-strength, corrugated cardboard container. **MACSEAL DF** in boxes should be 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 DF** 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.



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