

MACSEAL AR

HOT-APPLIED ASPHALT RUBBER JOINT & CRACK SEALANT ASTM D5078 OR SIMILAR

PRODUCT DESCRIPTION

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

MACSEAL AR is manufactured using a combination of engineered asphalt cements, polymers, synthetic rubber, recycled rubber, select process oils, and UV inhibitors.

MACSEAL AR will not flow from the joint or be picked up by vehicle tires at high surface temperatures.

GENERAL PRODUCT FEATURES

- Cures to a non-tacky finish
- Can be applied over a wide range of temperatures
- Engineered for moderate climates
- Easy to apply via 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
- Works well to fill the larger cracks and for routine maintenance of hot mix asphalt and Portland cement concrete

RECOMMENDED USE

MACSEAL AR is recommended for the large-scale sealing of joints and random cracks in Portland cement concrete and asphalt pavements in diverse climate areas.

PACKAGING, STORAGE AND HANDLING

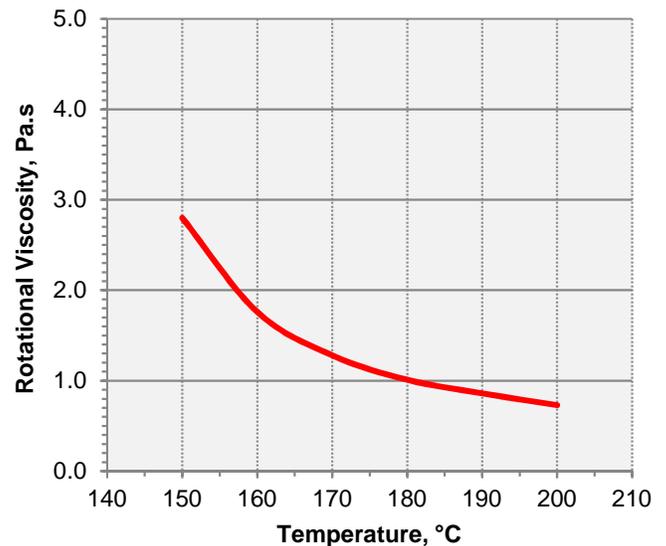
MACSEAL AR is available in the following packaging:

- 2 x 11 kg (25 lb) polybags in a high-strength, corrugated cardboard container. **MACSEAL AR** in boxes should kept in a dry environment.

SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC.	
		Min	Max
Flash Point (COC), °C	255	-	-
Cone Penetration, 25°C, dmm	41	30	60
Flow, 60°C, mm	0	-	3
Resilience, 25°C, %	46	20	60
Asphalt Compatibility	Pass	Pass	-

TEMPERATURE VISCOSITY CHART3



APPLICATION GUIDELINES

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

APPLICATION SPECIFICATIONS

MACSEAL AR meets or exceeds ASTM D-5078 and various state and provincial D.O.T. specifications



MCASPHALT INDUSTRIES LIMITED

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 ISO 9001/14001/45001

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APPLICATION TEMPERATURES

Recommended pouring temperature: 200°C (392°F)

Maximum safe heating temperature: 200°C (392°F)

MELTING EQUIPMENT

MACSEAL AR must be melted in an oil jacketed double boiler kettle equipped with a mechanical agitator and separate temperature thermometers for both the oil bath and melting vat.

COVERAGE

MACSEAL AR weighs approximately 1.16 kg/L (9.7 lb/gal). A joint 12.7 mm x 12.7 mm (½ x ½") requires approximately 18.8 kg/100 linear meters (12.6 lb/100 linear feet).

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 AR** 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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