

MACSEAL AR

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

PRODUCT DESCRIPTION

MACSEAL AR is a hot applied single component joint and crack sealant for pavement maintenance.

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 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
- Works well to fill the larger cracks and for routine maintenance of hot mix asphalt and Portland cement concrete

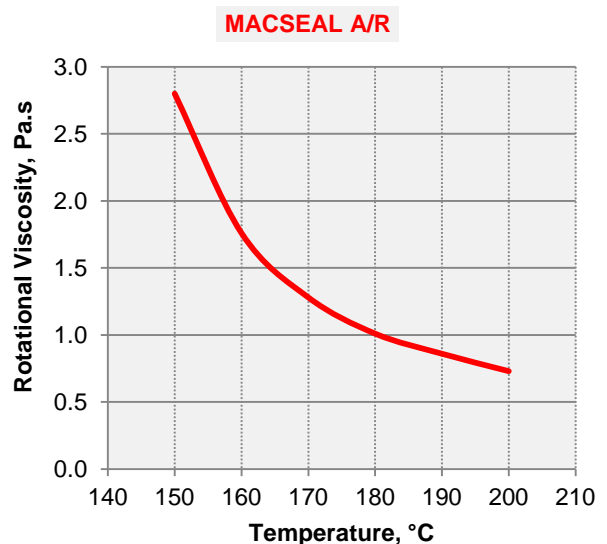
RECOMMENDED USE

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

SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC RANGE	
		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 CURVE



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APPLICATION GUIDELINES

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

APPLICATION SPECIFICATIONS

MACSEAL AR meets or exceeds:

- ASTM D-5078
- Various state and provincial D.O.T. specifications

APPLICATION TEMPERATURES

MACSEAL AR

- Recommended Pouring Temperature 185°C (365°F)
- Maximum Safe Heating Temperature 200°C (392°F)

MELTING EQUIPMENT

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

COVERAGE

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



PACKAGING, STORAGE AND HANDLING

MACSEAL AR is available in the following packaging:

- 2 x 25 lb. (2 x 11.33 kg) polybags in a high-strength corrugated cardboard container
- Boxes should be held 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 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 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."



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