

MACSEAL PMCF

EMULSION-BASED POLYMER-MODIFIED COLD POUR CRACK FILLER

PRODUCT DESCRIPTION

MACSEAL PMCF is a premium-quality, high-performance, cold-applied, single-component, polymer-modified asphalt emulsion.

MACSEAL PMCF will adhere to crack walls forming an impermeable seal that remains flexible and elastic at low temperatures and will not track at high temperatures.

GENERAL PRODUCT FEATURES

- No blending, mixing, or heating necessary for a quick and simple application
- Can be applied while the crack surface is still wet
- Can be easily applied in cold weather
- Excellent adhesion to crack walls
- Remains flexible and elastic at low temperatures
- Inexpensive application equipment and smaller crews allow for lower application costs.

RECOMMENDED USE

MACSEAL PMCF is designed for sealing cracks in asphalt and concrete highways, airport aprons, runways, parking lots, and driveways.

PACKAGING, STORAGE AND HANDLING

MACSEAL PMCF will break if allowed to either freeze or boil.

MACSEAL PMCF is available in the following packaging:

- 17 L (4.5 gal) pails
- 1000 L (264 gal) totes
- Bulk tanker

SPECIFICATIONS AND TYPICAL RESULTS

TEST	TYPICAL DATA	SPEC.	
		Min	Max
Tests on Emulsion			
Stormer Viscosity, 25°C, KU	76	70	90
Sieve Test, 850 µm, %	0.02	-	0.1
Uniformity	Pass	Pass	-
Evaporation Residue, 163°C, %	61.5	59	-
Oil Portion of Distillation, %	0	-	trace
Particle Charge	(-)	(-)	
Tests on Cured Specimens			
Elastic Recovery, 23°C, %	48	40	-
Flexibility, -4°C	Pass	Pass	
Ash Content, %	1.6	-	2.0

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 PMCF** 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.



MCASPHALT INDUSTRIES LIMITED

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mcasphalt.com
 ISO 9001/14001/45001

MACSEAL PMCF**EMULSION-BASED POLYMER-MODIFIED COLD POUR CRACK FILLER**

APPLICATION GUIDELINES

- **MACSEAL PMCF** can be applied directly to any pavement surface, no blending required.
- Do not apply if precipitation is anticipated within 2 hours of application.
- Do not dilute product with any cutter stock.
- Application rate is dependent on the crack configuration.
- Contact your local **MCA Marketing** representative for a temperature viscosity chart for applicable application temperatures.

APPLICATION RATES

- 5 to 10 m/L for a 20 x 20 mm crack
- 10 to 20 m/L for a 10 x 10 mm crack
- 60 to 90 ft/gal for a ½" x ½" crack

CRACK PREPARATION

- Crack should be cleaned thoroughly to remove all debris and deleterious material followed by blasting with high pressure air or water. Remove any standing water in the crack.
- Stir contents thoroughly before using.
- Pour **MACSEAL PMCF** into crack immediately.
- Apply **MACSEAL PMCF** using a pour bucket or pressurized pot. Material should be applied to form a slight bead above the pavement surface.
- If, after drying, cracks or joints are not completely filled or sealed, fill a second time.
- Underfill large or deep cracks, let dry, then pour again on top of the existing sealant. Remove spillage.
- To prevent tracking during the drying period, sprinkle with fine sand.
- Allow sufficient time to dry thoroughly before opening to traffic.
- For best results, **MACSEAL PMCF** should be applied between ambient temperatures of 5°C (40°F) to 30°C (86°F). For ambient temperatures exceeding 30°C, it is necessary to dust the surface of the freshly applied sealant with sand to reduce the possibility of tracking.

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