



MACSEAL PMCF

COLD POUR CRACK FILLER, POLYMER MODIFIED EMULSION BASED

PRODUCT DESCRIPTION

MACSEAL PMCF is a cold-applied, single component, polymer modified asphalt emulsion. **MACSEAL PMCF** will adhere to cracks walls forming an impermeable watertight seal that remains flexible and elastic at low temperatures and will not track at high temperatures.

GENERAL PRODUCT FEATURES

- Easy, quick application – no blending, mixing or heating necessary
- May be applied while the crack surface is still wet
- Excellent adhesion to crack walls
- Remains flexible and elastic at low temperatures
- Lower application costs – inexpensive application equipment and smaller crews
- Maybe easily applied in cold weather

RECOMMENDED USE

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

SPECIFICATIONS AND TYPICAL RESULTS

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

APPLICATION GUIDELINES

- No blending of product is necessary – **MACSEAL PMCF** can be applied directly to any pavement surface
- **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.



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APPLICATION GUIDELINES (CONT'D)

CRACK PREPARATION

Crack should be cleaned thoroughly to remove all debris and deleterious material. This should be followed with blasting by high pressure air or water. Remove any standing water in the crack.

Apply **MACSEAL PMCF** using a pour bucket or pressurized pot. Material should be applied to form a slight bead above the pavement surface.

Stir contents thoroughly before using. Moisten cracks and joints but leave no standing water. Pour in immediately crackfiller. If after drying, cracks or joints are not completely filled or sealed fill a second time. Underfill large or deep cracks. Let dry. Then refill. 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.

APPLICATION RATES

- 5-10 m per litre 20 x 20mm crack
- 10-20 m per litre 10 x 10mm crack
- 60-90 feet per US gal ½" x ½" crack

PACKAGING, STORAGE AND HANDLING

MACSEAL PMCF is available in the following packaging:

- 17 litre pails
- 205 litre drums
- 1,000 litre totes
- Bulk Tanker
- **Do Not** allow **MACSEAL PMCF** to either freeze or boil – it will break

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 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 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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