

# CRACKMASTER PARKING LOT GRADE LP

**SMT-320**

REVISED 04/25/24

## PRODUCT DESCRIPTION

A premium hot pour crack and joint sealant. CrackMaster Parking Lot LP has a lower initial surface tack and resists tracking at elevated temperatures. These properties aide in opening up the pavement for traffic or sealcoating operations more quickly. The LP in the material's name stands for low penetration. CrackMaster Parking Lot LP has a lower penetration at elevated temperatures compared to traditional parking lot materials.

- Reduced Initial Surface Tack
- Lower Penetration in Hot Climates
- High Softening Point
- Resists Tracking at Elevated Temperatures

## USES

CrackMaster Parking Lot LP is recommended for sealing joints and cracks in portland cement and asphaltic pavements. It is designed to seal expansion and contraction joints, longitudinal and trans-verse cracks, joints between concrete and asphaltic shoulders and random cracks.

## COMPOSITION

CrackMaster Parking Lot Grade LP is supplied in solid blocks comprised of asphaltic resins and synthetic polymer rubber.

## COLOR

Black.

## LIMITATIONS

Do not overheat material. Cracks must be free from moisture, dust, loose aggregate and other contaminates prior to application. Not recommended for cracks in excess of 1" wide.

## TECHNICAL DATA

CrackMaster Parking Lot Grade LP meets the following material requirements when tested in accordance with ASTM D-5329, 36, modified 3111. (see chart below).

Chemical & Physical Analysis	
Application Temperature	370-390°F
Maximum Heating Temperature	400°F Max.
Heating Time	12 Hours Max.
Penetration at 77°F	25 dmm Max.
Penetration at 140°F	120 dmm Max.
Flow at 140°F	0 mm Max.
Softening Point	220°F Min
Low Temperature Flexibility - 1" Mandrel Bend	0°F PASS

Specific Gravity	1.23 Approx.
Asphalt Compatibility	PASS
Flash Point	400° F Min.
Optimal Climate - Average Temperatures	-17 / 60° C Or 0 / 140° F

## ENVIRONMENTAL CONSIDERATIONS

CrackMaster Parking Lot Grade LP is considered a non-hazardous material.

## INSTALLATION

Proper surface preparation facilitates adhesion and consequently the maximum service life of the sealant. In order for proper adhesion to occur, the crack/joint must be free of moisture, dust, loose aggregate and other contaminates. The substrate and air temperatures must be 40°F or above. Sawing, routing and/or sandblasting are the preferred methods of preparation. Use oil-free compressed air and heat to clean and dry the crack/joint immediately prior to sealing. Cracks/joints should be sized so that the maximum extension and compression do not exceed 50% of the width. Best results are obtained when the cracks/joints are opened at least ½ inch wide.

## METHODS

CrackMaster Parking Lot LP may be melted in oil jacketed or a direct fired kettle with mechanical agitation. Carefully insert small quantities of CrackMaster and the plastic bag into the melting equipment while the agitator is turned off. Load material slowly to avoid splash back. After the initial load has reached the recommended pouring temperature, fresh material may be added to the melter as sealant is used. Melt only the material that will be used during that day. Purge material remaining in the melting kettle lines at the end of each sealing operation. The material may be safely reheated as required and can be applied using a pressure fed wand system or a pour pot.

## IMPORTANT

Protective apparel is recommended with application of CrackMaster Parking Lot Grade LP. The extremely hot material will cause severe burns on contact with skin. OSHA Safety Regulations require workers to wear the following types of safety attire (see current OSHA/Safety Regulations for additional information): Hard hat with face shield; long sleeved shirt buttoned at the wrist; heat resistant gloves; long, cuffless pants; and safety toed work boots. Make certain all area around melter is clear of all debris and flammable materials. Avoid breathing vapors. Use with adequate ventilation.

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## MIXING PROCEDURES

Use material as supplied. Do not blend with other materials. After CrackMaster Parking Lot Grade LP is melted it should be agitated or recirculated.

## APPLICATION

Apply heated CrackMaster Parking Lot Grade LP using either a pump and wand system or a pour pot. For best results the sealant depth to width ratio should not exceed 2 to 1 (i.e. 2-inches deep to 1-inch wide). The cooled sealant height should not exceed 1/8" above surrounding pavement. Using a sealing shoe or squeegee, band the material 2 to 3 inches wide over the crack.

## ESTIMATING MATERIAL REQUIREMENTS

Use the following chart as a guideline for estimating material requirements (based upon pounds of material needed for 100 feet of cracks):

Crack Width	Depth	Lbs/100 Ft
3/8"	3/8"	7.5 lbs.
3/8"	1/2"	10 lbs.
1/2"	1/2"	13.3 lbs.
1/2"	1"	26.6 lbs.
3/4"	1/2"	19.9 lbs.
3/4"	3/4"	29.9 lbs.

The above coverage rates are only a guideline. Actual material usage may vary due to width of application and thickness of material above pavement surfaces.

## PRECAUTIONS

The temperature of the heat transfer oil should not exceed 525°F. Do not heat CrackMaster above the maximum heating temperature and do not maintain it at that temperature for prolonged periods of time. This could cause the material to gel in the equipment or fail in the joints. A significant viscosity increase accompanied by stringiness signals the approach of gelation. If this occurs, immediately remove the material from the melter and dispose of it.

## WARRANTY AND DISCLAIMER

The statements made on this technical data sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the

product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose.

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