

CRACKMASTER MASTIC PL-CPT

Formulated for All Climates

SMT-273

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PRODUCT DESCRIPTION

CrackMaster Mastic PL-CPT is a hot-applied repair mastic comprised of a black asphalt based polymer modified binder and select aggregate. This material is self adhesive. CrackMaster Mastic PL-CPT resists cracking, delamination, and spalling. It is a flexible material that can withstand heavy loads, weather, traffic and thermal movement. Mastic provides a high-friction surface to ensure driver safety. Compaction equipment is not necessary with CrackMaster Mastic PL-CPT. This repair system is formulated to provide a feathered edge.

- Excellent Adhesion
- Rapid Melting
- Resists Tracking

RECOMMENDED USES

CrackMaster Mastic PL-CPT is recommended for sealing wide cracks and joints, as well as repairing a large variety of distresses in cement and asphalt pavements. It is designed for large cracks and distressed surface areas too small for repaving yet too large for traditional hot applied crack sealants.

Ideal Uses:

- Pavement cracks or joints over 1.5 inches wide
- Potholes, utility cuts, manhole covers
- Spalls, pop-outs, and corner breaks
- Localized skin patch repairs
- Repairs prior to surface treatments
- Bridge approaches or faulted areas
- Depressed thermal cracks

PERFORMANCE CHARACTERISTICS

Product Specifications*		
POLYMER-MODIFIED BINDER		
Penetration	77 °F	50 dmm Max.
Softening Point		200 °F Min.
Low Temperature Flexibility	1" Mandrel Bend at 20°F	Pass
Asphalt Compatibility		Pass
Flash Point		400 °F Min.
BLENDED PRODUCT		
Heating Temperature		400 °F Max.
Application Temperature		375 - 400 °F
Heating Time		12 Hours Max.
Mastic Resilience		50% Min.

* When tested in accordance with ASTM D 5329, 36, & 8260.

SURFACE PREPARATION

Proper surface preparation facilitates adhesion and consequently the maximum service life of the mastic. In order for proper adhesion to occur, the surface must be free of moisture, dust, loose aggregate, and other contaminants. Avoid use in highly distressed areas that require reconstruction. The substrate and air temperatures must be 40 °F or above. Use oil-free compressed air and heat to clean and dry the area immediately prior to application. Heating the pavement will

promote bonding between the mastic and pavement surface. Caution do not to overheat/oxidize the pavement.

MELTING AND APPLICATION

Melt CrackMaster Mastic PL-CPT using an oil-jacketed kettle designed for mastic materials. The kettle should be equipped with an agitator and temperature control devices for the material and heating oil. Carefully insert small quantities of CrackMaster Mastic PL-CPT and the plastic bag into the melter while the agitator is turned off to avoid splash back. Once material has reached application temperature, apply to freshly prepared area. CrackMaster Mastic T2-CPT can be applied directly from the melter using an appropriate discharge chute, bucket, or mastic wagon. Immediately following application, the mastic shall be leveled and smoothed using mastic lutes. In deep installations, mastic may be applied in layers, cooling in between. When mastic is installed where added skid resistance is desired, CrackMaster Mastic PL-CPT can be covered with a surface aggregate. CrackMaster Mastic PL-CPT is ready for traffic when it has cooled and solidified.

NOTE: The temperature of the heating oil should not exceed 525 °F. Do not heat material over the maximum heating temperature. This could cause the material to gel in the equipment or fail on the pavement. 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.

PACKAGING

CrackMaster mastics are packaged in 45 lb. poly-bags in a high-strength, corrugated box with each pallet containing 60 boxes or 2,700 pounds of mastic. CrackMaster mastics are also available in 45 lb. meltable boxes with each pallet containing 64 meltable boxes or 2,880 pounds of mastic.

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.