

CRACKMASTER MASTIC GRAY - CPT

SMT-272

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PRODUCT DESCRIPTION

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

- Excellent Adhesion
- Rapid Melting
- Resists Tracking
- Versatile Color

RECOMMENDED USES

CrackMaster Mastic Gray 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	90 dmm Max.
Resiliency	77°F	60% Min.
Softening Point		176°F Min.
Low Temperature Flexibility	1" Mandrel Bend at 20 °F	Pass
Viscosity	375°F	100 Poise Max.
Blended Product		
Heating Temperature		400°F Max.
Application Temperature		375 - 395 °F
Heating Time		12 Hours Max.
Specific Gravity		Approximately 1.8

* Specifications are as tested according to ASTM D5329 and D36.

SURFACE PREPARATIONS

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 overheat the pavement.

APPLICATION PROCEDURES

Melt CrackMaster Mastic Gray 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 product 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 Gray 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 Gray can be covered with a surface aggregate. CrackMaster Mastic Gray 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 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 on the pavement. Boiling indicates polymer degradation, and a significant viscosity increase accompanied by stringiness signals the onset of gelation. If either occurs, immediately remove the material from the melter and dispose of it.

PACKAGING

CrackMaster Mastic Gray 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.

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