

DURA-FILL® MASTIC

Formulated for All Climates

Description: *Dura-Fill* Mastic is a hot-applied repair mastic comprised of a black asphalt based polymer modified binder and select aggregate. This material is self adhesive. *Dura-Fill* Mastic 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 *Dura-Fill* Mastic. This repair system is formulated to provide a feathered edge.

Recommended Uses: *Dura-Fill* Mastic 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 re-paving yet too large for traditional hot applied crack sealants.

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 *Dura-Fill* Mastic 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 *Dura-Fill* Mastic 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. *Dura-Fill* Mastic can be applied directly from the melter, using an appropriate flute, bucket, or mastic wagon. Immediately following application, the mastic shall be leveled and smoothed using mastic flutes. In deep installations, mastic may be applied in layers, cooling in between. When mastic is installed where added skid resistance is desired, *Dura-Fill* Mastic can be covered with a surface aggregate. *Dura-Fill* Mastic 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.

For further details read and follow the *Dura-Fill* SDS, Mastic Installation Instructions, and P&T Products' Warranty.

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.

- ◆ **Excellent Adhesion**
- ◆ **Rapid Melting**
- ◆ **Resists Tracking**
- 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

Specifications

P&T Products'

Packaging

Dura-Fill mastics are packaged in 45 lb. poly-bags and boxed in high-strength, corrugated cardboard. Each pallet contains 60 boxes or 2,700 pounds of mastic. *Dura-Fill* mastics are also available in *Dura-Melt*™ consumable packaging with each pallet containing 64 meltable boxes or 2,880 pounds of mastic.

P&T Products

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