

DURA-FILL® MASTIC GRAY

Formulated for All Climates

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

Recommended Uses: *Dura-Fill* 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.

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 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 *Dura-Fill* 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. *Dura-Fill* Mastic Gray 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 Gray can be covered with *Dura-Top*™ surface aggregate. *Dura-Fill* 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.

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

Dura-Top™ surface aggregates are available in both 1/8 inch size and 1/4 inch size with a maximum abrasion loss of 35% (ASTM C 131).

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.

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

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' Specifications

Packaging

Dura-Fill 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.

P&T Products

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