

# DURA-FILL® Mastic Black

## Distressed Pavement Repair Mastic

**Description:** *Dura-Fill* Mastic T2 is a hot-applied, *preblended* repair mastic comprised of a black, asphalt-based, polymer-modified binder and a select aggregate. This material is self adhesive. *Dura-Fill* Mastic T2 resists cracking, delamination, and spalling. It is a flexible material that can withstand heavy loads, weather, traffic and thermal movement. Mastic T2 provides a high-friction surface to ensure driver safety. Compaction equipment is not necessary with *Dura-Fill* Mastic T2. This repair system is formulated to provide a feathered edge.

**Recommended Uses:** *Dura-Fill* Mastic T2 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 T2 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 T2 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 T2 may be covered with *Dura-Top*™ surface aggregate. *Dura-Fill* Mastic T2 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. A significant viscosity increase accompanied by stringiness signals the onset 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\*

Heating Temperature		400 °F Max.
Application Temperature		375 - 400 °F
Heating Time		12 Hours Max.
Specific Gravity		Approximately 1.8
Mastic Resilience		50% Min.
Effects of Rapid Deformation	-18 °C / 8 N-m Impact	Pass
Crack Bridging	-18 °C / 1/8 inch Extension	3 Cycles Pass
Mastic Stability	70 °C	40.0 mm Max.
Flexibility	0 °C	Pass

\* Specifications are as tested according to ASTM D 8260 and D 5329.

*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).

- ◆ Excellent Adhesion
- ◆ Rapid Melting
- ◆ Resists Tracking
- ◆ For Asphalt and Concrete Surfaces

### 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

### Coverage

Width	Depth	Pounds/100 Linear Feet
1"	0.5"	39.7
1"	1"	79.5
1.5"	1"	119.2
1.5"	1.5"	178.8
2"	1.5"	238.4
2"	2"	317.9

### Specifications

ASTM D 8260  
Types 1 & 2

### Packaging

*Dura-Fill* mastics are packaged in 45 lb. poly-bags in a high-strength, corrugated box. Each pallet contains 60 boxes or 2,700 pounds of mastic.

*Dura-Fill* mastics are also available in 45 lb. *Dura-Melt*™ consumable packaging with each pallet containing 64 meltable boxes or 2,880 pounds of mastic.

# P&T Products

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