

# DURA-FILL® HS

## Crack and Joint Sealant for Direct Fired Kettles

**Description:** Dura-Fill HS is a heat stabilized, specialty grade crack and joint sealant, which is specifically formulated for direct-fired kettles. Dura-Fill HS is extremely successful in driveway and parking lot applications because it is relatively hard and has a high softening point. It prolongs pavement life by sealing cracks and joints from water penetration. HS contains less fillers than other sealants which means that Dura-Fill HS can fill more linear feet per pound than other sealants in this category.

**Recommended Uses:** Dura-Fill HS is recommended for sealing cracks and joints in portland cement and asphaltic pavements. It is designed to seal expansion and contraction joints, longitudinal and transverse cracks, joints between concrete and asphaltic shoulders, and random cracks.

**Surface Preparation:** Proper surface preparation facilitates adhesion and consequently the maximum service life of the sealant. In order for proper adhesion, the crack/joint must be free of moisture, dust, loose aggregate, and other contaminants. The substrate and air temperatures must be 40°F or above. Sawing, routing, and/or sandblasting are the preferred methods of preparation. Use oil-free compressed air and heat to clean and dry the crack/joint immediately prior to sealing. Cracks/joints should be sized so that the maximum extension and compression do not exceed 50% of the width. Best results are obtained when the cracks/joints are opened at least 1/2 inch wide.

**Melting and Application:** Dura-Fill HS may be melted in **direct-fired or oil-jacketed kettles**. The heat stabilization formula can withstand temperatures up to 450°F without experiencing degradation. Carefully insert small quantities of Dura-Fill and the plastic bag into the melting equipment while the agitator is turned off. Load material slowly to avoid splash back. After the initial load has reached the recommended pouring temperature, fresh material may be added to the melter as sealant is used. Melt only the material that will be used during that day. Purge material remaining in the kettle lines at the end of each sealing operation. The material may be safely reheated as required and can be applied using a pressure feed wand system or a pour pot.

**Note:** The temperature of the heat transfer oil should not exceed 525°F. Do not heat Dura-Fill above 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 in the joints. 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 MSDS, Installation Instructions for Direct Fired Dura-Fill Products, and P&T Products' Warranty.*

### Product Specifications

when tested in accordance with ASTM D 5329, 36, modified 3111, & 4402.

Heating Temperature		450 F Max.
Application Temperature		350-400 F
Heating Time		12 Hours Max.
Penetration	77 F	60 dmm Max.
Flow	140 F	0 mm Max.
Softening Point		200 F Min.
Low Temperature Flexibility	1" Mandrel Bend	0 F Pass
Viscosity	375 F	25 Poise Max.
Specific Gravity		1.12 Approximately
Asphalt Compatibility		Pass
Flash Point		400 F Min
Optimum Climate	Average Temperatures	-17 / 38 C Or 0 / 100 F

- ◆ Premier Crack Sealant for Driveway Applications
- ◆ Heat Stabilized Formula for Direct-Fired Kettles
- ◆ Resists Tracking

### Coverage

Width	Depth	Pounds/100 Linear Feet
3/8"	3/8"	6.8
3/8"	1/2"	9.1
1/2"	1/2"	12.1
1/2"	1"	24.2
3/4"	1/2"	18.2
3/4"	3/4"	27.2

### Specifications

P&T Products' Specifications

### Packaging

Dura-Fill is packaged in 2-25 lb. poly-bags in a 50 lb. high strength corrugated box. Each pallet contains 48 boxes or 2,400 pounds of Dura-Fill.

# P&T Products, Inc.

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