

# DURA-FILL® CJA

## Pavement Cold Joint Adhesive

**Description:** The Dura-Fill CJA is a hot-applied modified asphalt adhesive. It is used as an adhesive and tacking material on longitudinal cold construction joints on asphaltic pavements. The Dura-Fill CJA fosters a long lasting seal between two sections of asphaltic pavement. It prolongs pavement service life by sealing the joints from water penetration, which cause base failure and potholes. Dura-Fill provides excellent results in cold weather and throughout repeated freeze/thaw cycles. Dura-Fill CJA is formulated with select asphaltic resins, synthetic polymeric rubbers, plasticizers, stabilizers and a blend of organic and inorganic reinforcing fillers.

**Recommended Uses:** Dura-Fill CJA is applied 1/8 inch thick across the edge of the first paving pass. When the adjacent lane of asphaltic pavement is put into place, the heat from this material and the compaction of the roller cause the Dura-Fill CJA to adhere to both lanes. This forms a durable bond between the two overlay passes. This product can also be used as a waterproofing agent on shoulder interfaces, around manhole covers and other utility cuts in asphaltic pavement.

**Melting and Application:** Melt Dura-Fill CJA using a conventional **oil jacketed kettle** equipped with agitator and temperature control devices for both the material and heat transfer oil. Carefully insert small quantities of Dura-Fill CJA 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.

**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 SDS, Installation Instructions for Oil Jacketed Dura-Fill Products and P&T Products' Warranty.*

### Product Specifications

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

Maximum Safe Heating Temp		400° F Max.
Application Temp		370-390° F
Heating Time		12 Hours Max.
Penetration	77° F	60-90 dmm
Resiliency	77° F	40% Min.
Flow	140° F	3 mm Max.
Softening Point		171° F Min.
Low Temperature Flexibility	1" Mandrel Bend	0° F Pass
Viscosity	375° F	40-100 Poise
Ductility	77° F	30 cm Min.
Ductility	39° F	30 cm Min.
Tensile Adhesion	77° F	500% Min.
Specific Gravity		1.10 Approximately
Flash Point		410° F Min.
Optimum Climate		ALL Climate Zones

- ◆ **Flexible**
- ◆ **Economical**
- ◆ **Excellent Adhesion**
- ◆ **Resists Flow**

### Coverage

3 - 4 feet per pound using a 2- inch overlay

### Specifications

P & T Products' Specifications

### Packaging

Dura-Fill is packaged in 30 lb poly bags and boxed in high-strength corrugated cardboard. Each pallet contains 75 boxes or 2,250lb of Dura-Fill. The product is also available in Dura-Melt™ consumable packaging. Each pallet holds 64 melttable 30 lb boxes or 1,920 lb of sealant.

**P&T Products**

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