DURA-SHELL® CJAS

Longitudinal Joint Adhesive In Meltable Packaging

Description: The Dura-Shell CJAS 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-Shell CJAS 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-Shell provides excellent results in cold weather and throughout repeated freeze/thaw cycles. Dura-Shell CJAS is formulated with select asphaltic resins, synthetic polymeric rubbers, plasticizers, stabilizers, and a blend of organic and inorganic reinforcing fillers.

Recommended Uses: Dura-Shell CJAS 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-Shell CJAS 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-Shell CJAS 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-Shell and outer packaging 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 and can be applied using a pressure feed wand system.

Note: The temperature of the heat transfer oil should not exceed 525° F. Do not heat Dura-Shell 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-Shell MSDS, Installation Instructions for Oil Jacketed Dura-Shell Products, and P&T Products' Warranty.

Product Specifications

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

Heating Temp		410	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		170	F Min.
Low Temperature Flexibility	Mandrel Bend	0	F Max.
Viscosity	375 F	100	Poise Max.
Ductility	39 F	30 Min	cm Min.
Tensile Adhesion	77 F	500	% Min.
Specific Gravity		1.09	Approximately
Flash Point		>400	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-Shell CJAS is packaged in 30 lb. meltable units. Each pallet contains 64 containers or 1,920 pounds of Dura-Shell.

P&T Products, Inc.

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2/2014