

CJA

COLD JOINT ADHESIVE

Flexible

Economical

Excellent Adhesion

Rapid Melting

Quick Set-Up

Resists Flow

Specifications: Meets INDOT Specifications

Coverage: 3-4 feet per lb. using a 2-inch overlay.

Packaging: CJA is packaged in 2-25 lb. poly-bags in a 50 lb. high strength corrugated box. Each pallet contains 36 boxes or approximately 2,160 lbs. of CJA.



989-684-0341



574-287-2828



260-587-3888

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

Recommended Uses: 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 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.

Preparation of Surface: Proper surface preparation facilitates adequate adhesion and consequently the maximum life of the sealant. In order for proper adhesion, the joint must be free of moisture, dust, loose aggregate, and other contaminants. The substrate and air temperatures must be 40°F or above. The interface must be clean and dry prior to application of CJA.

Melting and Application: The melting kettle should be a conventional oil jacketed unit equipped with an agitator and temperature control devices for both the material and heat transfer oil. Carefully insert small quantities of 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. 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 CJA 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 significantly viscosity increase accompanied by stringiness signals the approach gelation. If this occurs, immediately remove the material from the melter and dispose of it.

TEST	TEST METHOD	SPECIFICATIONS	TEST RESULTS
Softening Point, °F (°C)	AASHTO T 53	>170 (77)	PASS
Ductility @ 77°F (25°C), mm	AASHTO T 51	>300	PASS
Ductility @ 39°F (4°C), mm	AASHTO T 51	>300	PASS
Apparent Viscosity @ 400°F (204°C), cp	ASTM D 2669	4,000-11,000	PASS
Asphalt Compatibility	ASTM D 5329	PASS	PASS
Cone Penetration @ 77°F (25°C), mm	ASTM D 5329	50-100	PASS
Flow @ 140°F (60°C), mm	ASTM D 5329	<5	PASS
Resilience @ 77°F (25°C), %	ASTM D 5329	>30	PASS
Tensile Adhesion @ 77°F (25°C), mm	ASTM D 5329	>500	PASS
Flexibility @ 0°F (-18°C)	ASTM D 3111	PASS	PASS
Flash Point, °F (°C)	AASHTO T48	>410(210)	PASS

