

**1. PRODUCT NAME**

CrackMaster CJA  
 Cold Joint Adhesive

**2. MANUFACTURER**

ThorWorks Industries, Inc.  
 2520 S. Campbell St.  
 Sandusky, OH 44870  
 Phone: 800-326-1994  
 Fax: 419-626-5477  
 www.thorworks.com

**Additional Plant Locations:**  
 SealMaster has a nationwide network of manufacturing and distribution facilities.

Phone 1-800-395-7325 or visit website at [www.sealmaster.net](http://www.sealmaster.net) to find the location near you.

**3. PRODUCT DESCRIPTION**

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

- Flexible
- Economical
- Excellent Adhesion
- Rapid Melting
- Quick Set-Up
- Resists Flow

**Recommended Uses:** CrackMaster 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 CrackMaster 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.

**Sizes:** CrackMaster is packaged in 2-25 lb. poly-bags in a 50 lb. high strength corrugated box. Each pallet contains 48 boxes or approximately 2,400 lbs. of CrackMaster.

**Surface Preparation:** 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 CrackMaster CJA.

**4. MELTING & 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 CrackMaster 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 CrackMaster 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 significant viscosity increase accompanied by stringiness signals that approach of gelation. If this occurs, immediately remove the material from the melter and dispose of it.

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

Copyright © 2010, SealMaster  
 All rights reserved.

[www.sealmaster.net](http://www.sealmaster.net)

**Chemical & Physical Analysis**

Recommended Application Temperature .....	370 - 390°F
Maximum Heating Temperature .....	410°F
Maximum Heating Time .....	12 Hrs.
Penetration.....	60 - 100 Min.
Resiliency, % .....	40% Min.
Flow (140°F) .....	3 mm. Max.
Softening Point .....	180°F Min.
Viscosity (375°F).....	100+ poise
Flexibility (0°F / 1" Mandrel).....	PASS
Asphalt Compatibility .....	COMPATIBLE