

**1. PRODUCT NAME**

CrackMaster™ TRM  
 Crack and Joint Sealant for  
 Moderate Climates

**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 to find the location near you.

**3. PRODUCT DESCRIPTION & BENEFITS**

- Flexible to -20°F
- Rapid Melting
- Economical
- Excellent Adhesion
- Sets-Up Quickly
- Resists Tracking

CrackMaster™ TRM is a hot pour crack and joint sealant for portland cement and asphaltic pavements. As an economical and effective preventative maintenance treatment, CrackMaster™ TRM prolongs pavement life by sealing cracks and joints from water penetration, which cause base failure and pot holes. This is a high viscosity, non self-leveling material with a crumb rubber content of 18% minimum based on asphaltic components or 13% minimum by overall weight. CrackMaster™ TRM forms a long-lasting seal which resists tracking in warm temperatures and remains flexible in cold temperatures.

**Uses:** CrackMaster™ TRM is recommended for sealing cracks and joints in portland cement, asphaltic pavements, and parking lots. It is designed to seal expansion and contraction joints, longitudinal and transverse cracks, joints between concrete and asphaltic shoulders, and random cracks.

**4. TECHNICAL DATA**

CrackMaster™ TRM meets the following material requirements when tested in accordance with State Modified ASTM-D1190, ASTM-D6690 Type I, AASHTO M173, and Fed. Spec. SS-S-164. (See chart below).

**4. SURFACE PREPARATION**

Proper surface preparation facilitates adequate adhesion and consequently the maximum 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 surface 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.

**5. MELTING AND APPLICATION**

The melting kettle should be a conventional oil jacketed unit equipped with an agitator, pumping system and temperature control devices for both the material and heat transfer oil. Carefully insert small quantities of CrackMaster™ TRM 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.

**NOTE:** The temperature of the heat transfer oil should not exceed 525°F. Do not heat CrackMaster™ TRM above the maximum heating temperature and do not maintain it at the temperature for prolonged periods of time. This could cause the material to gel in the equipment or fail in the cracks/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.

**6. PACKAGING**

CrackMaster™ TRM is supplied in 50 lb. cardboard cartons containing two 25 lb. blocks of material per carton

**Chemical & Physical Analysis**

Recommended Pour Temperature.....	370-390°F
Maximum Heating Temperature .....	410°F
Maximum Heating Time.....	12 Hrs.
Penetration (150 gr/5 sec.) .....	70 max.
Resiliency.....	30-60% min.
Flow (60°C, 75° angle, 5 hours).....	5 mm max.
Bond, 0°F/50% Ext .....	Passes 5 cycles
Softening Point .....	176°F min.
Specific Gravity .....	1.12
Crumb Rubber Content .....	13% min.
Asphalt Compatibility .....	Compatible

# CrackMaster™ TRM

## Crack and Joint Sealant for Moderate Climates

### Estimating Material Requirements:

Use the following chart as a guideline for estimating material requirements (based upon pounds of material needed for 100 feet of cracks):

Crack Width	Depth	lbs/100 ft
3/8"	3/8"	6.9 lbs.
3/8"	1/2"	9.3 lbs.
1/2"	1/2"	12.3 lbs.
1/2"	1"	24.7 lbs.
3/4"	1/2"	18.5 lbs.
3/4"	3/4"	27.8 lbs.

The above coverage rates are only a guideline. Actual material usage may vary due to width of application and thickness of material above pavement surfaces.

**Precautions:** Cracks must be free from moisture, dust, dirt, and debris. Both substrate and air temperature must be above 40°F. Keep boxes of material dry during storage. Do not store in direct sunlight.

### 6. AVAILABILITY & COST

**Availability:** CrackMaster™ Hot Pour Crack Sealants are supported by a nationwide network of SealMaster® facilities along with a national and international network of professional applicators.

**Cost:** Cost information can be obtained from a local SealMaster® CrackMaster applicator. Contact SealMaster® for the CrackMaster representative in your area.

### 7. WARRANTY

SealMaster® warrants that CrackMaster TRM meets the chemical composition and performance requirements set forth in section 4. Liability to the buyer or user of this product is limited to the replacement value of the product only.

### 9. TECHNICAL SERVICES

**Manufacturer:** Complete product specifications, material safety data sheets, and technical assistance is available from SealMaster®.

**Professional Applicators:** Your local CrackMaster applicator is available to provide on-site inspections and recommendations to meet your specific needs.

### 10. FILING SYSTEMS

- SealMaster® Online Specification at [www.sealmaster.net](http://www.sealmaster.net)
- Complete SealMaster® Product and Equipment Catalog Available
- Sweet's Catalog
- Sweet's CD
- Sweet's Online
- Sweet's Directory

The statements made on this specification sheet are believed to be true and accurate and are intended to provide a guide for approved application practices. As workmanship, weather, construction, condition of pavement, tools utilized, and other variables affecting results are all beyond our control, the manufacturer warrants only that the material conforms to product specifications and any liability to the buyer or user of this product is limited to the replacement value of the product only. The manufacturer expressly disclaims any implied warranties of merchantability or fitness for a particular purpose. Warranty is void on multi-coat applications if material made by other manufacturers is used with this product.

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**SealMaster®**  
  
Pavement Products & Equipment