

### 1. PRODUCT NAME

CrackMaster™ 5078  
Crack & Joint Sealant  
For Cold 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](http://www.sealmaster.net) to find the location near you.

### 3. PRODUCT DESCRIPTION & BENEFITS

- **Economical**
- **Excellent Adhesion**
- **Rapid Melting**
- **Not Self-Leveling**

CrackMaster™ 5078 is a hot-pour crack and joint sealant for portland cement and asphaltic pavements. As an economical and effective preventative maintenance treatment, CrackMaster™ 5078 prolongs pavement life by sealing cracks and surface joints from water penetration. CrackMaster™ 5078 is a single component, specially formulated mixture of paving grade asphalt, vulcanized crumb rubber, plasticizers, and stabilizers. When melted and properly applied, it forms a resilient and adhesive compound for both cement and asphaltic pavements.

**Uses:** CrackMaster™ 5078 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™ 5078 meets the following material requirements when tested in accordance with

State Modified ASTM-D 5078. (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 and temperature control devices for both the material and heat transfer oil. Carefully insert small quantities of CrackMaster™ 5078 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 or a pour pot.

**NOTE:** The temperature of the heat transfer oil should not exceed 525°F. Do not heat CrackMaster™ 5078 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™ 5078 is supplied in 50 lb. cardboard cartons containing two 25 lb. blocks of material per carton

### Chemical & Physical Analysis

Rubber Content .....	21-22%
Recommended Pour Temperature.....	350°F
Maximum Heating Temperature .....	400°F
Penetration.....	30-60
Resiliency.....	40%
Softening Point.....	160°F Min.
Ductility 39.2°F.....	10 cm
Viscosity 375°F.....	85 poise
Specific Gravity .....	1.02
Weight per Gallon.....	8.5
Asphalt Compatibility.....	Compatible

# CrackMaster™ 5078

## Crack & Joint Sealant For Cold Climates

SMT - 317

Date: 4/11

### 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"	6.2 lbs.
3/8"	1/2"	8.3 lbs.
1/2"	1/2"	11.0 lbs.
1/2"	1"	22.1 lbs.
3/4"	1/2"	16.5 lbs.
3/4"	3/4"	24.8 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 5078 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.

Form No.: SMT-317  
Revised: 4/11

Copyright © 2011, SealMaster®  
All rights reserved.

ThorWorks Industries, Inc.  
2520 South Campbell St.  
Sandusky, OH 44870

Phone: 1-800-326-1994  
FAX: 1-419-626-5477

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

**SealMaster®**  
  
Pavement Products & Equipment