

**Cold Pour Estimating Guide**



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**Estimating Guide**

For Estimating OverKote® Crack Filler or OverKote® Loop Filler Requirements

WIDTH	1/4"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
<b>DEPTH</b>	<b>GALLONS REQUIRED PER 100 LINEAL FEET</b>						
1/4"	.3	.5	.6	.8	1.0	1.1	1.3
3/8"	.5	.7	1.0	1.2	1.4	1.7	1.9
1/2"	.6	1.0	1.2	1.6	1.9	2.2	2.6
5/8"	.8	1.2	1.6	2.0	2.4	2.8	3.2
3/4"	1.0	1.4	1.9	2.4	2.8	3.4	3.8
7/8"	1.1	1.7	2.2	2.8	3.4	3.9	4.5
1"	1.3	1.9	2.6	3.2	3.8	4.5	5.1
1 1/8"	1.4	2.2	2.9	3.6	4.3	5.0	5.8
1 1/4"	1.6	2.4	3.2	4.0	4.8	5.6	6.4
1 3/8"	1.8	2.6	3.5	4.4	5.3	6.2	7.0
1 1/2"	1.9	2.9	3.8	4.8	5.8	6.7	7.7
1 5/8"	2.0	3.1	4.2	5.2	6.2	7.3	8.3
1 3/4"	2.2	3.4	4.5	5.6	6.7	7.8	9.0
1 7/8"	2.4	3.6	4.8	6.0	7.2	8.4	9.6
2"	2.6	3.8	5.1	6.4	7.7	9.0	10.2

Values are for the theoretical volume of the crack or saw cut. Make additional allowances for waste and material deposited on pavement surface.

SealMaster Cold Pour Sealant



Pourable Crack Sealant

SMT - 200

Revised: 7/04

1. PRODUCT NAME  
Pourable Crack Sealant

2. MANUFACTURER  
ThorWorks Industries, Inc.  
2520 S. Campbell St.  
Sandusky, OH 44870  
Phone: 800-395-7325  
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  
Pourable Crack Sealant is a one component rubberized cold-applied asphalt emulsion crack sealant designed for filling cracks up to 1/2" wide in pavement surfaces. Pourable Crack Sealant provides a protective barrier against moisture intrusion into pavement surfaces. Pourable Crack Sealant is both economical and easy to use.

**Basic Uses:** Pourable Crack Sealant is designed for filling cracks up to 1/2" wide in asphalt pavement.

**Composition:** Pourable Crack Sealant is a polymer-modified asphalt emulsion crack sealant fortified with select mineral fillers.

**Sizes:** Pourable Crack Sealant is available in 1-gallon, 5-gallon, and 55-gallon containers.

**Color:** Dries black.

**Limitations:** Pourable Crack Sealant shall not be applied when temperature is expected to drop below 50°F at any time within a 24 hour period immediately following application.

4. TECHNICAL DATA

**Environmental Considerations:** Pourable Crack Sealant is a non-hazardous environmentally friendly

water-based crack sealant containing less than 150 grams per liter volatile organic content (VOC).

**Physical/Chemical Properties:** Pourable Crack Sealant meets the following material requirements when tested in accordance with ASTM D140, ASTM D466, ASTM D529, ASTM D2939, and ASTM D244 procedures. (see chart below)

5. INSTALLATION  
Cracks must be cleaned of all dirt, debris, and vegetation prior to application of crack sealant.

**Methods:** Pourable Crack Sealant may be applied directly from container (one gallon jug with pour spout), pour pot, or suitable mechanized pumping equipment. It is desirable to squeegee material flush to adjoining pavement surface.

**Mixing Procedures:** Stir material thoroughly. Pourable Crack Sealant is a ready-to-use material. Do not dilute.

**Application:** Pour Crack Sealant into cracks and squeegee flush to adjoining pavement. Allow material to dry before opening to traffic.

**Estimating Material Requirements:** Coverage is dependent upon depth and width of cracks. Typically, one gallon of Pourable Crack Sealant will fill approximately 75-150 feet of cracks.

**Precautions:** Both surface and ambient temperature shall be a minimum of 50°F. Temperature shall not drop below 50°F within a 24 hour period following application. Keep Out Of Reach Of Children. Do not store unopened containers in freezing temperatures.

6. AVAILABILITY & COST

**Availability:** Pourable Crack Sealant is supported by a national network of SealMaster facilities along with a national network of professional applicators.

**Cost:** Cost information can be obtained from a local applicator. Contact SealMaster for the name of the applicator in your area.

7. WARRANTY  
SealMaster warrants that Pourable Crack Sealant 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.

Chemical & Physical Analysis

Classification	Polymer Modified Asphalt Emulsion
Color	Black when dry
Non-Volatiles (%)	68.00%
Ash (Non-Volatiles)	27.8%
Specific Gravity @ 77°F	1.19
Drying Time	Dependant upon filler depth
Adhesion & Resistance to Water	No Penetration or Loss of Adhesion
Resistant to Heat	No Blistering or Sagging
Flexibility	No Cracking or Flaking
Resistance to Impact	No Chipping, Flaking, or Cracking

Pourable Crack Sealant  
SMT - 200

SealMaster  
July 2004  
Supersedes SMT-9 (4/99)

PAVING AND SURFACING  
Crack Sealant

## SealMaster Cold Pour (cont.)

### *Pourable Crack Sealant*

#### 9. TECHNICAL SERVICES

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

**Professional Applicators:** Your local 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.: SMI-200  
Revised: 7/04  
Supersedes: SMI-9 (4/99)

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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)



CrackMaster Hot Pour Applicator

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EQUIPMENT/  
PARTS

*Ideal for Melting and Applying CrackMaster  
Supreme Direct-Fire Crack Sealant.*

**MA-10 Melter  
Applicator**

**MA-10 Melter Applicator Features:**

- 10 gallon tank size
- Includes burner, hose, and regulator  
(Designed for use with Vapor LP gas  
cylinder)

**MA-10 Melter Applicator**  
E2820 MA-10 (129 lbs.) \$1,130.00



**Heat Lance**

*Cleans, Dries and Removes Dirt, Debris  
and Water in Cracks and Joints.*

**PA Torch Heat Lance**

T5550 PA Torch Package - Includes: torch, 50 ft.  
U.L. rated gas hose, regulator and 1/2"  
standard air quick connect. (15 lbs.) \$430.00



**SM-10 Melter**

*Ideal for Melting CrackMaster  
Supreme Direct Fire Material*

**SM-10 Melter Features:**

- 10 gallon capacity
- Includes burner, hose, and regulator  
(Designed for use with Vapor LP gas  
cylinder)

**SM-10 Melter**  
E2830 SM-10 (113 lbs.) \$999.00



## CrackMaster Hot Pour Sealant

# CrackMaster™

## Hot Pour Crack Sealants

**CrackMaster™ Supreme** - Our finest hot applied crackfilling material. Designed for use in both direct fire and oil-jacketed kettles. Ideal for all crack filling applications.

**CrackMaster™ 3405** - Meets ASTM 3405 Specifications. Designed for use in oil-jacketed kettles.

**CrackMaster™ P.L.** - An economical, high softening point material designed for use on parking lots. Recommended for oil-jacketed kettles.


<b>CrackMaster™ Supreme</b>	
M1050L (50 lbs.)	\$ .56 per lb.
<b>CrackMaster™ 3405</b>	
M1060L (50 lbs.)	\$ .42 per lb.
<b>CrackMaster™ P.L.</b>	
M1070L (50 lbs.)	\$ .37 per lb.

**Packaging:**  
 50 lb. box with two 25 lb. cubes per box.

<b>CrackMaster Material Requirements:</b>		
<i>CrackMaster 3405 &amp; P.L.:</i>		
Crack Width	Depth	lbs./100 feet
3/8"	3/8"	6.9 lbs.
1/2"	1/2"	12.3 lbs.
3/4"	3/4"	27.8 lbs.
<i>CrackMaster Supreme:</i>		
Crack Width	Depth	lbs./100 feet
3/8"	3/8"	6.2 lbs.
1/2"	1/2"	11.1 lbs.
3/4"	3/4"	25.0 lbs.

**CRACK FILLERS**

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Other grades of CrackMaster Hot Pour Crack Sealants available. Ask your SealMaster Representative for details.

## Concrete Sealant for Level Surfaces

**POLYURETHANE SELF-LEVELING SEALANT**

No. 8660-10

**PRODUCT DESCRIPTION**

**Basic Uses:** QUIKRETE® Polyurethane Self-Leveling Sealant is a superior self-leveling, one-component, permanently flexible polymeric multi-purpose product ideal for sealing and bonding common building materials. QUIKRETE®

**Polyurethane Self-Leveling Sealant** offers primerless adhesion to most common materials in the building industry. It has been specifically developed for flowing into horizontal crevices and ideal for general purpose horizontal sealing applications. QUIKRETE® Polyurethane Sealant is non-staining, resistant to moisture and staining, and has virtually no shrinkage.

**QUIKRETE® Polyurethane Self-Leveling Sealant** may be used for:

- Waterproofing horizontal expansion joints in sidewalks, driveways, industrial floors, parking decks etc.
- A variety of general purpose joint sealing applications
- End dams in glazing systems
- Flashing & below grade waterproofing membranes

**Color:** Gray 29.1 oz (858 ml) size also available in Sandstone

**Packaging:** QUIKRETE® Polyurethane Self-Leveling Sealant is available in 10.1 oz (300 mL) and 29.1 oz (858 mL) caulk tubes.

**Coverage:** 12 linear feet (3.7 M) at 1/2" x 1/4" (12mm x 6mm) joint coverage.

**Limitations:**

- Do not apply to frozen surfaces or through standing water.
- Do not apply over silicones or in the presence of curing silicones.
- Do not apply in high temperatures, high humidity, or if rain is expected before sealant has partially cured or bubbling may occur.
- Avoid contact with alcohol and solvents during cure.
- Avoid contact with bitumen, strong acids, and alkalis.
- Avoid joints that are too deep or damp as bubbling may occur.
- Joints between non-porous substrates require slightly longer cure through time depending on surface area.

**PRECAUTIONS:**

On contact, uncured sealant may irritate eyes. Avoid eye contact. **KEEP OUT OF REACH OF CHILDREN.**

**STORAGE:** When stored in the original, unopened containers at or below 75°F (24°C) QUIKRETE® Polyurethane Self-Leveling Sealant has a shelf life of 12 months from the date of manufacture.

**TECHNICAL DATA**

Applicable Standards

- ASTM C-920 *Specification for Elastomeric Joint Sealants*

**QUIKRETE® Polyurethane Self-Leveling Sealant** meets ASTM C-920 Type S, Grade P, Class 25, Use T, M, G, A, O; TT-S-00230C, Type I, Class A; CAN-19.13-M87.

**QUIKRETE® Polyurethane Self-Leveling Sealant** when tested in accordance with

## Concrete Sealant for Level Surfaces (cont.)

ASTM procedures provides typical results as listed in Tables 1 and 2

**Table 1: QUIKRETE® Polyurethane Self-Leveling Sealant Properties – As Supplied**

Flow	Self-level
Viscosity (cps)	40,000
Tack-Free Time (77°F (25°C) 50%RH)	8 Hours
Cure Time (77°F(25°C) , 50%RH)	1/16 in. (1.6 mm) per 24 hours

**Table 2: QUIKRETE® Polyurethane Self-Leveling Sealant Properties – As Cured**

Durometer Hardness, Shore A	40
Tensile	300 psi (2.1 MPa)
Elongation (ASTM D-412)	725%
Modulus at 100% Elongation	150 psi (1.0 MPa)
Peel Strength	25 pli (111 N)
Dynamic Joint Movement	+/- 25%

**SURFACE PREPARATION:**

The key to long-term sealant and adhesive performance is proper substrate preparation. The substrate must be clean, dry, frost free, sound and free of any oils, greases, or incompatible sealers, paints or coatings that may interfere with adhesion and good joint performance. Surfaces should be cleaned of dust & debris from fabrication or job site dirt before cleaning using a stiff brush or using oil and moisture free compressed air. Mechanical methods, such as wire brushes, grinders, etc. may be required to remove surface contamination, debris and failed sealants such as in re-caulking applications.

**JOINT DESIGN:** A thin bead of sealant will accommodate more movement than a thick bead. Working joint depths should never exceed 1/2" (12 mm) or be thinner than 1/8" (3 mm), ideally 1/4" (6 mm). The ratio of joint width to depth should be 2 to 1. Joints should be designed or cut to work well within the movement capability of the sealant allowing for erection and installation tolerances, time of year of installation and sealant movement capability. QUIKRETE® Backer Rod (#6917) should be used to prevent three sided adhesion. If joint depth does not allow for backer rod installation, use polyethylene bond breaker tape. See Figure 1.

**METHOD OF APPLICATION:** Avoid applying sealants below 40°F (4°C) unless following specific instructions for cold weather caulking. Also avoid applying sealants in ambient conditions where threat of rain is imminent. It is very important that the substrate is dry when sealant is applied. If ambient temperatures exceed 85°F (29°C) and particularly when substrates will be

exposed to direct sunlight, check surface temperatures to be sure they don't exceed the maximum recommended for the sealant, for example 140°F (60°C) for polyurethanes and certain silicones. Mask adjacent surfaces to be sealed if necessary to ensure neat sealant lines and minimize clean up. Avoid placing masking in areas to be sealed. Remove masking immediately after application. Tooling is not required.

**CLEAN UP:** Excess sealant should be cleaned from glass, metal and plastic surfaces while still uncured using a commercial solvent such as xylene or similar solvent or citrus-based cleaners.

**LIMITED WARRANTY:** The QUIKRETE® Companies, Inc. warrant this product to be of merchantable quality when used or applied in accordance with the instructions hereon. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of its product (as purchased) if found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies, Inc. in writing at: One Securities Centre, 3490 Piedmont Road, Suite 1300, Atlanta, GA 30305. THIS WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

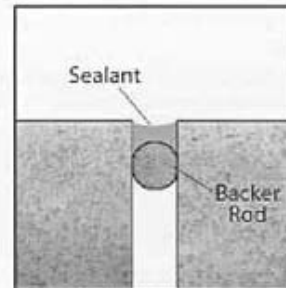


Figure 1

**The QUIKRETE® Companies, Inc.**

One Securities Centre  
 3490 Piedmont Road, Suite 1300  
 Atlanta, GA 30305  
 404.634.9100

693208

## Concrete Sealant for Non-Level Surfaces

**POLYURETHANE NON-SAG SEALANT**

No. 8660-11

**PRODUCT DESCRIPTION**

QUIKRETE® Polyurethane Non-Sag Sealant is a one-component, permanently flexible, multi purpose polyurethane sealant. QUIKRETE® Polyurethane Non-Sag Sealant cures in the presence of atmospheric moisture to provide a permanently elastic bond to fastener materials, which have dissimilar coefficients of expansion. It is ideal for general purpose sealing applications.

QUIKRETE® Polyurethane Non-Sag Sealant may be used for:

- Vertical or Horizontal Expansion joints in concrete, stucco or masonry
- Caulking around window and door openings
- Sealing skylights and chimney flashings
- Waterproofing cracked concrete

**FEATURES**

- Has excellent adhesion to pre-painted metals, plywood, glass, aluminum, steel, SMC, RIM, FRP and many plastics and composites
- Has excellent bonding and adhesive strength capabilities along with very high abrasion and tear resistance
- Is paintable, sandable and remains permanently elastic
- Has excellent resistance to weathering and road salts while exhibiting high recovery, making it ideal for sealing dynamically moving joints
- Is non-staining
- Bonds to most construction materials without a primer
- One component—no mixing
- Joint movement capability  $\pm 25\%$
- Easy to gun and tool

**Packaging**

QUIKRETE® Polyurethane Non-Sag Sealant is available in 10.1 oz (300 mL) caulk tubes.

**Coverage**

12 linear feet (3.7 M) at 1/2" x 1/4" (12mm x 6mm) joint coverage.

**Limitations**

- Do not apply to frozen surfaces or through standing water.
- Do not apply over silicones or in the presence of curing silicones
- Avoid contact with alcohol and solvents during cure
- Application to moisture-laden substrate can cause bubbling to occur
- Protect unopened containers from heat
- Do not apply over freshly treated wood. Allow treated wood to age at least six months.

**PRECAUTIONS**

On contact, uncured sealant may irritate eyes. Avoid eye contact. **KEEP OUT OF REACH OF CHILDREN.**

**STORAGE**

When stored in the original, unopened containers at or below 75°F (24°C) has a shelf life of 12 months from the date of manufacture.

**TECHNICAL DATA**

Applicable Standards

- ASTM C-920 *Specification for Elastomeric Joint Sealants*

QUIKRETE® Polyurethane Non-Sag Sealant meets ASTM C-920 Type S, Grade NS, Class 25, Use NT, M, G, A, O; TT-S-00230C, Type II, Class A; CAN-19.13-M87. Meets California Air Resources Board 2003 requirements for Volatile Organic Compound content.



## Concrete Sealant for Non-Level Surfaces (cont.)

QUIKRETE® Polyurethane Non-Sag Sealant when tested in accordance with ASTM procedures provides typical results as listed in Tables 1 and 2.

**Table 1: QUIKRETE® Polyurethane Non-Sag Sealant Physical Properties – As Supplied**

Sag or Slump	Nil
Extrusion Rate per grams / minute	400
Tack Free Time (77°F (25°C), 50% RH)	4 hours
Cure Time (77°F (25°C), 50% RH)	1/8" (3 mm) per 24 Hours

**Table 2: QUIKRETE® Polyurethane Non-Sag Sealant Physical Properties – As Cured**

Durometer Hardness (Shore A)	38
Ultimate Tensile Strength	275 psi (1.9 MPa)
Elongation	800%
Modulus @ 100% Elongation	95 psi (0.7 MPa)
Peel Strength	35 pli (156N)
Dynamic Joint Movement	+/- 25%
Volatile Organic Content – 3.37% by wt	40 g/L – 0.34 lbs/gal.

### SURFACE PREPARATION

The key to long-term sealant and adhesive performance is proper substrate preparation. The substrate must be clean, dry, frost free, sound and free of any oils, greases, or incompatible sealers, paints or coatings that may interfere with adhesion and good joint performance. Porous surfaces should be cleaned of dust & debris from fabrication or job site dirt before cleaning using a stiff brush or using oil and moisture free compressed air. Mechanical methods, such as wire brushes, grinders, etc. may be required to remove surface contamination, debris and failed sealants such as in re-caulking applications.

### JOINT DESIGN

A thin bead of sealant will accommodate more movement than a thick bead. Working joint depths should never exceed 1/2" (12 mm) or be thinner than 1/8" (3 mm), ideally 1/4" (6 mm). The ratio of joint width to depth should be 2 to 1. Joints should be designed or cut to work well within the movement capability of the sealant allowing for erection and installation tolerances, time of year of installation and sealant movement capability. QUIKRETE® Backer Rod (#6917) should be used depending on application, to prevent three sided adhesion. If joint depth does not allow for backer rod installation, use polyethylene bond breaker tape. See Figure 1.

### METHOD OF APPLICATION

Avoid applying sealants below 40°F (4°C) unless following specific instructions for cold weather caulking. Also avoid applying sealants in ambient conditions where threat of rain is imminent. If ambient temperatures exceed 85°F (29°C) and particularly when substrates will

be exposed to direct sunlight, check surface temperatures to be sure they don't exceed the maximum recommended for the sealant, for example 140°F (60°C) for polyurethanes and certain silicones. Mask adjacent surfaces to be sealed if necessary to ensure neat sealant lines and minimize clean up. Avoid placing masking in areas to be sealed. Remove masking immediately after tooling sealant. Apply sealant using consistent, positive pressure to force sealant into the joint. Tool sealant to thoroughly wet out joint surfaces, ideally using a tool with a convex profile to create a concave sealant joint that maximizes the thickness at the bond line and minimizes it at the center of the joint. Do not use soapy water or other liquids when tooling.

### CLEAN UP

Excess sealant should be cleaned from glass, metal and plastic surfaces while still uncured using a commercial solvent such as, xylene or similar solvent or citrus based cleaners.

### CURING

QUIKRETE® Polyurethane Non-Sag Sealant will achieve full cure in 7 to 14 days. Allow sealant to cure for 72 hours before painting or exposing to traffic. Allow 7 days for temporary water immersion.

### LIMITED WARRANTY

The QUIKRETE® Companies, Inc. warrant this product to be of merchantable quality when used or applied in accordance with the instructions hereon. This product is not warranted as suitable for any purpose or use other than the general purpose for which it is intended. Liability under this warranty is LIMITED to the replacement of its product (as purchased) if found to be defective, or at the shipping companies' option, to refund the purchase price. In the event of a claim under this warranty, notice must be given to The QUIKRETE® Companies, Inc. in writing at: One Securities Centre, 3490 Piedmont Road, Suite 1300, Atlanta, GA 30305. THIS WARRANTY IS ISSUED AND ACCEPTED IN LIEU OF ALL OTHER EXPRESS WARRANTIES AND EXPRESSLY EXCLUDES LIABILITY FOR CONSEQUENTIAL DAMAGES.

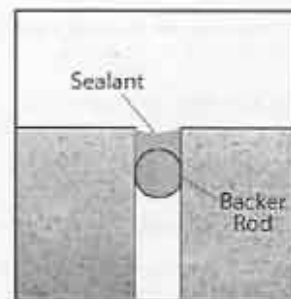


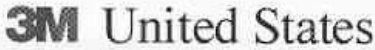
Figure 1

### The QUIKRETE® Companies, Inc.

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## 3M ScotchKote Electrical Coating



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 PART # 054007-14853

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### Scotchkote™ Electrical Coating

**Protect surfaces against moisture, corrosion and other contaminants.**




[click to enlarge]

**Additional Information**


**Learn More . . .**

- [Electrical Coating, 16-401 - Data Sheet \(PDF 5.6 K\)](#)
- [Specifications and Ordering Info for 3M Scotchkote Electrical Co - Product Selection Guide \(PDF 4.9 K\)](#)
- [Zinc Rich Primer, 16-501 - Data Sheet \(PDF 5.6 K\)](#)


**Please Note:**  
 Adobe® Acrobat® Reader is required to view PDF documents.




**Make a Selection**



**3M™ 16-501 Zinc Spray**  
 3M™ 16-501 Zinc Spray provides an effective way to inhibit rust and corrosion with 97% pure zinc. Case is 12 16 fluid ounce cans.



**Scotchkote™ Electrical Coating, 4 fl oz**  
 A fast drying sealant and bonding compound, the coating is provided in a brush top 16 oz. can for quick and easy application, can containing 4 fl. oz. of coating. Case quantity is 10 cans.



**Scotchkote™ Electrical Coating, 15 fl oz**  
 A fast drying sealant and bonding compound, the coating is provided in a brush top 16 oz. can for quick and easy application, can containing 15 fl. oz. (0.44 L) of coating. Case quantity is 10 cans.

## 3M ScotchKote Electrical Coating (cont.)

**3M****16-401 Electric Coating****Data Sheet****1. Product Description**

3M™ 16-401 Electric Coating is a soft wax base impregnated with a propriety corrosion inhibitor dissolved in a petroleum-distillate/alcohol-based solvent. It is formulated for long term corrosion protection of metal surfaces not in contact with each other.

**Features:**

- Non-corrosive
- Controlled drying
- Non CFC
- Halogen free
- Easy application by aerosol spray
- Meets Mil-C-16173

**Caution:** Solvents will attack some plastic surfaces. Test all plastic items for compatibility before use.

**2. Applications**

Protects metal parts from corrosion under appropriate conditions of long-term storage (up to 1 year outdoors). Use on electrical and mechanical equipment including hoists, lifts individual gears, molds, dies and other large metal surfaces.

**Warning!** This product is flammable. Do not use on energized equipment.

Other precautionary and first aid information for this product may be found in its Material Safety Data Sheet and on the product container.

**3. Data****Physical Properties**

<u>Property</u>	<u>Results</u>
• Color	Brown
• Flash Point (T.C.C.)	-156°F/-104°C (propellant) to 13°F/10°C (solvent)
• LEL	1.0% by vol.
• UEL	10.6% by vol.

**4. Characteristics and Test Data**

Tests run on 3M 16-401 electric coating show that it can effectively protect metals from corrosion for up to 1 year outdoors. Passes Mil-C-16173.

**5. Application Techniques**

The aerosol container makes 3M 16-401 electric coating easy to use. Spray dries to a waxy film after application. When necessary remove coating easily with petroleum solvents.

**6. Directions for Use**

1. Turn off electrical equipment before cleaning.
2. Turn spray tip so arrow points to spray surface.
3. Hold can 8-10 inches from surface and apply evenly.
4. Make sure cleaned area is DRY before re-energizing circuit.

**7. Maintenance**

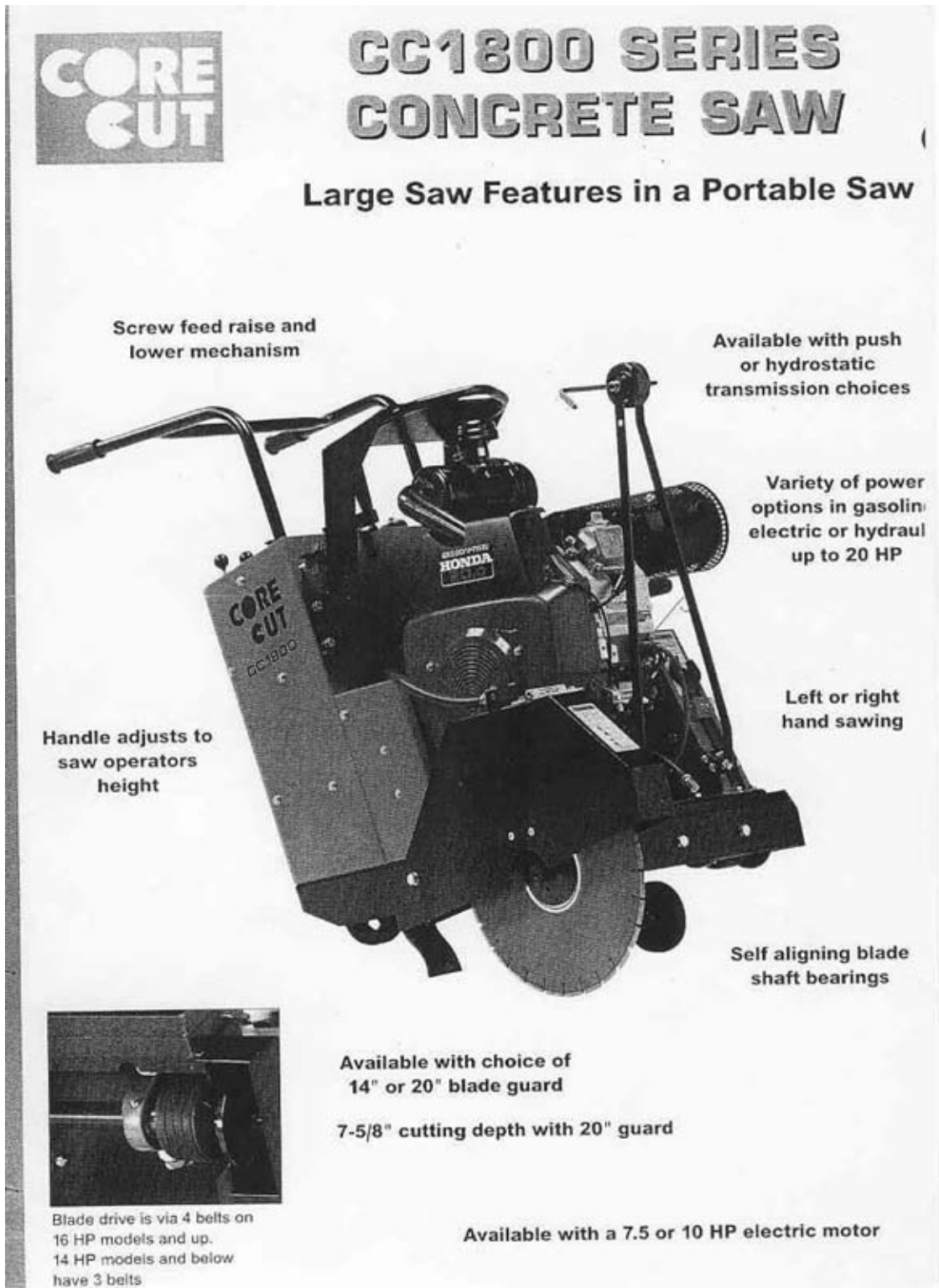
3M 16-401 electric coating does not plug aerosol nozzles or sputter and drip when sprayed. Hold the can in upright position and push the nozzle all the way down when spraying.

Store product at temperatures below 120°F/49°C for maximum life.

**8. Availability**

3M 16-401 electric coating is available in 16 fl. oz. can size with 12 cans per case and may be purchased from your local electrical distributor.

## Concrete Saw



**CORE CUT**

# CC1800 SERIES CONCRETE SAW

### Large Saw Features in a Portable Saw

Screw feed raise and lower mechanism

Available with push or hydrostatic transmission choices

Variety of power options in gasoline, electric or hydraulic up to 20 HP

Left or right hand sawing

Self aligning blade shaft bearings

Handle adjusts to saw operators height

Available with choice of 14" or 20" blade guard

7-5/8" cutting depth with 20" guard

Available with a 7.5 or 10 HP electric motor

Blade drive is via 4 belts on 16 HP models and up. 14 HP models and below have 3 belts

## Tempo Tracker II, Model 501



## 501 | Tracker II Cable and Pipe Locator

**APPLICATIONS:**

With its inductive signal application, the Tracker II can be used on active or dead systems. Now you can trace the path and determine the depth of wires and metallic pipes without having to deactivate the systems. High frequency transmitter provides range up to 4000 feet (1219 m) and depths to 7 feet (2 m). The transmitter offers three methods of connection: direct, inductive coupler, or inductive antenna. Inductive coupler clamps around the wire or pipe for use on active lines or where isolating the line is not an option. Inductive antenna is built into the case housing and allows the transmitter to be placed on the ground over the wire path to radiate a signal down onto the conductor. 32" (813 mm) lightweight receiver provides both audible and visual indications of signal strength for accurate identification. Transmitter output and receiver sensitivity are both fully adjustable for maximum accuracy. Includes transmitter assembly, receiver assembly, inductive coupler (clamp), inductive antenna (built-in), two 8 foot (2.4 m) test leads with heavy-duty alligator clips, and a durable polyethylene case.

**FEATURES:**

- Three ways of connecting to pipes or cables.
- Traces over distances to 4,000 feet and depths to 7 feet.
- Adjustable Sensitivity.
- Durable Carrying Case.
- Battery-operated (8 - AA and 1 - 9V included).
- 1-year warranty.

**BENEFITS:**

- Long-Range Wire Locating
- Work on Active or Dead Systems
- Fast, Simple Operation



## Tempo Tracker II, Model 501 (cont.)

# 501 | Tracker II Cable and Pipe Locator

### SPECIFICATIONS

Power Source	
Transmitter	Eight "AA" batteries
Receiver	One 9V battery
Battery Life	Transmitter 30 hours, receiver 10 hours nominal
Transmitter Frequency	447.5KHz
Transmitter Power	40Vp-p (140mW) maximum
Voltage Protection	240VAC, 500VDC
Automatic Shut-off	90 min. transmitter & receiver
Construction	
Transmitter/Receiver	Powder coated aluminum
Case	Vacuum formed polyethylene
Dimensions	
Transmitter	4.25 x 3 x 3.25"
Receiver	32 x 2.75 x 4"
Case	33.5 x 8.25 x 3.75"
Weight	6.7 lbs. (complete kit)

### ORDERING INFORMATION

Model	Description	UPC
501	Tracker II	08662
HS-1	Headset for 501	08695

### RELATED PRODUCTS

Optional headset HS-1 is available for use in high traffic areas or other noisy environments.



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# Kleen Sweep 27

Minuteman International, Inc.

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## Kleen Sweep® 27



### For Quick & Efficient Sweeping

The **Kleen Sweep® 27** is ideal for machine shops, stockrooms, parks, small yards, parking areas and loading ramps. It sweeps five to seven times faster than manual sweeping and can clean up to 31,000 square feet per hour.

An injection molded, structural foam polyethylene body ensures durability, prevents rust and adds long life. A rotary side brush sweeps the dust and dirt away from walls and out of corners into the path of the wide main brush, which deposits it directly into a large hopper.

The **Kleen Sweep 27** fits easily through any standard-size door and the side brush can be lifted for transport and increased maneuverability. Comes equipped with height adjustment knobs to raise or lower main hopper brush and also the side brush. The "push bar" can be lowered for easy storage.

SPECIFICATIONS	
Sweeping Width	27"/67 cm
Construction	Polyethylene
Dust Control	Rubber Flaps
Hopper Capacity	1.4 cu. feet
Sweeping Area/hr.	31,000 sq. feet
	2,880 sq. meters
Vehicle Drive	Manual
Length w/side brush	40"/102 cm
Brush Pressure	Side: Adjustable
	Main: Adjustable
Weight	57 lbs/ 26 kg
Wheels	(2) 11"/30cm
Caster	3"/8 cm

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<http://www.minutemanintl.com/minuteman/sweep27.html>

10/10/2005

# 12 Training Checklist

---

Technician: \_\_\_\_\_ Training Location: \_\_\_\_\_

## Gatekeeper Cart Containment System

### Concept and Functionality

- System Components (Wheels, Antenna, Transmitter, CartKey, Site Management)
- Perimeter Based System – closed loop
- Store Personnel Training

Date: \_\_\_\_\_ Completed:  Yes  No

### Site Survey and System Layout

- Survey Checklist
- Site Plan (Key Measurements, Antenna Type, Transmitter Location, Sign Location)
- Single Loop Enclosed Perimeter (Sample Site Plans)
- Double Saw Cut (Sample Site Plans)
- Over Roof (Sample Site Plans)
- Multiple Lockbox and Twisted Pair (Sample Site Plans)
- Photograph Locations
- Drawing the Site Plan (Key Measurements, Transmitter and Sign Locations)

Date: \_\_\_\_\_ Completed:  Yes  No

### Materials Specifications

- Antenna Specifications (14G Traffic Cable, 14G Twisted Pair, 20G Antenna)
- Sealer and Pour Pot Specifications (OverKote & SealMaster)
- Antenna Splicing Specifications
- Concrete Saw Specifications
- Striping and Signage Specifications
- Tool List

Date: \_\_\_\_\_ Completed:  Yes  No

### Cart Containment System Installation

- Installation Preparation
- Arrive on site and check in with store management
- Confirm/determine the CentralTransmitter location
- Mark the perimeter area for the saw cut

Date: \_\_\_\_\_ Completed:  Yes  No



**System Installation**

- Saw cut the marked area
- Clean the saw cut
- Install the 14G locking line and twisted pair (use antenna specified in "Materials")
- Splice the sections of antenna together
- Seal the saw cut (use pour pot and sealer specified in "Materials")
- Mount the CentralTransmitter
- Measure and document antenna resistance (multi-meter required)
- Connect electrical power to the CentralTransmitter
- Calibrating the CentralTransmitter
- Connecting Alarm Relays to the CentralTransmitter
- Install the Parking Lot Signs
- Perimeter Striping

Date: \_\_\_\_\_ Completed:  Yes  No

**Cart Installation**

- Install the anti-tilt bar
- Install the Gatekeeper Wheel
- Install the Cart-Mounted Signs

Date: \_\_\_\_\_ Completed:  Yes  No

**Store Training**

- Train the store personnel
- Document store training

Date: \_\_\_\_\_ Completed:  Yes  No

## Training Checklist - System Troubleshooting

### Wheel Troubleshooting

- Determine the wheel type by revision code
- Potential failure modes and troubleshooting them
- Cart out-of-balance

Date: \_\_\_\_\_ Completed:  Yes  No

### Central Transmitter Troubleshooting

- Potential failure modes (visual alarm indicators)

Date: \_\_\_\_\_ Completed:  Yes  No

### Antenna Troubleshooting

- Visual inspection of the perimeter line
- Use of a Tone Generator (see Tool List) to find the break
- Dividing the antenna to find the break
- Proper splicing technique

Date: \_\_\_\_\_ Completed:  Yes  No

### Signal Coupling

- Explanation of signal coupling and possible causes
- Try to replicate the coupling
- Using a signal tester to look for extraneous noise
- Solutions to eliminate coupling

Date: \_\_\_\_\_ Completed:  Yes  No

### Product Specifications

- W-9455 GS<sup>2</sup> Wheel
- D-9110 CentralTransmitter
- D-9500 ExitManager
- K-9500 CartKey

Date: \_\_\_\_\_ Completed:  Yes  No

I certify that the technician named below has completed the Gatekeeper Systems Inc. Field Service Training Program and has been presented with the related coursework and training materials.

Technician: \_\_\_\_\_

Trainer: \_\_\_\_\_

Date: \_\_\_\_\_

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