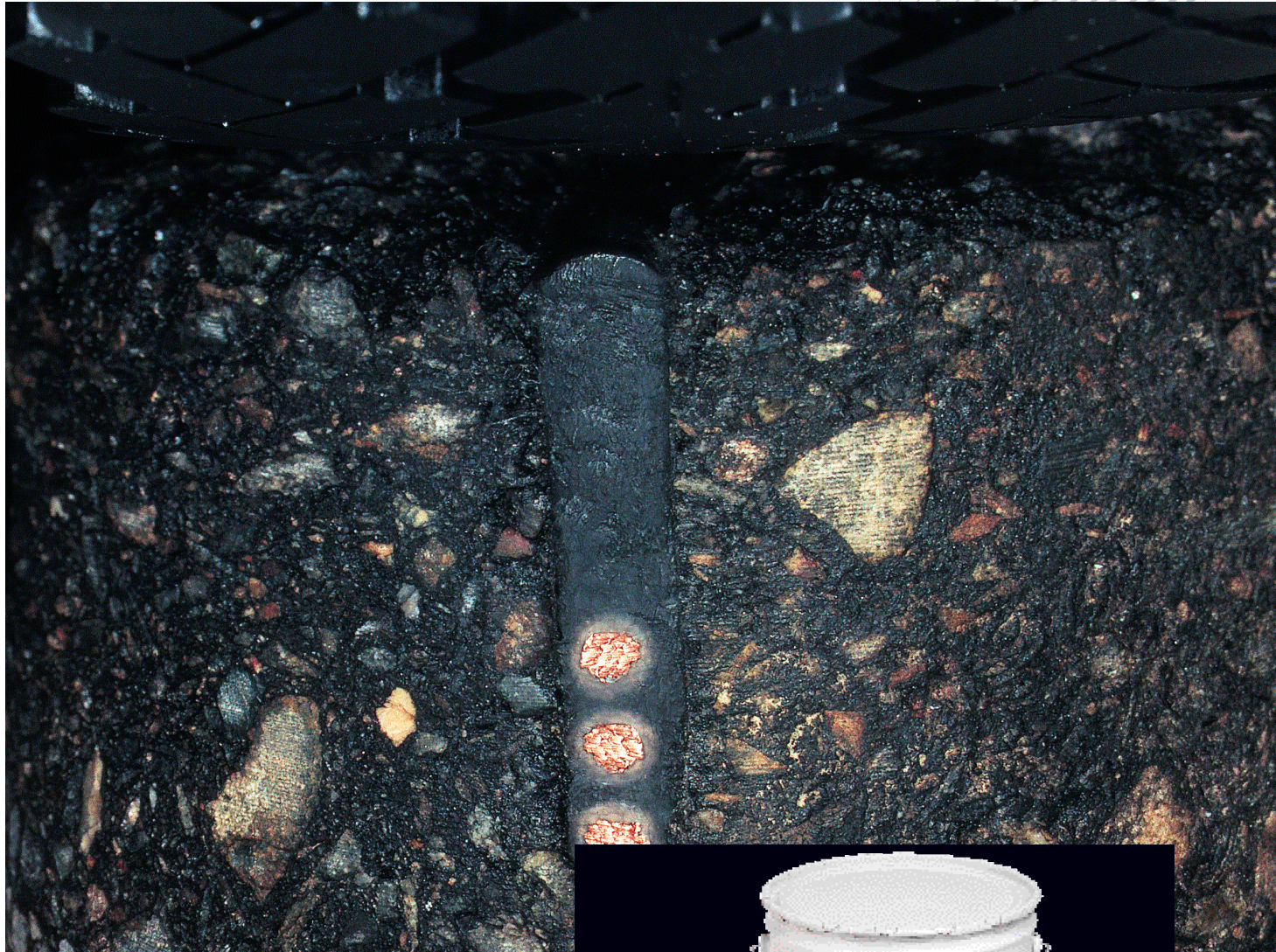




# Detector Loop Sealant 5000



**Loop sealant  
designed specifically  
for the job**



# 3M™ Detector Loop Sealant... easy to use...superior protection

3M detector loop sealant encapsulates, insulates and protects the wires of a detector loop from the effects of the harsh roadway environment. In temperature extremes, it retains flexibility so the wires are continuously protected to prevent loop failure.

Some good reasons you should be using 3M detector loop sealant:

## **Saves application time**

3M loop sealant is ready to use. There is no need to measure, mix or heat and no smoothing is required. Sealant can be applied on crowned or sloped roadways. It will not run to low spots.

## **Outstanding protection**

Loop wires are held in position and completely contained in a tough, yet flexible, rubber cocoon. Wires are protected against movement, road debris penetration and moisture, eliminating these causes of false calls.

## **Reduced maintenance**

3M sealant will not shrink, so call-backs for refilling are eliminated. And sharp objects will not penetrate the tough rubber. Sealant cures with smooth surface so there is no need for finishing.

## **Natural curing**

Sealant reacts with moisture in the environment to produce a rubber that is resistant to weather, oils, gasoline, antifreeze, brake fluid and road salt.

## **Long lasting**

The sealant will not become brittle with age or temperature extremes.

## **Temperature stable**

The sealant won't degrade in high temperatures or fracture at temperatures as low as -40°F.

## **Roadway compatibility**

3M sealant can be used with either concrete or asphalt, fresh or aged, wet or dry surfaces.

## **Fast, complete application**

3M supplies special nozzles that help you fill the sawcut from the bottom to the top.

## **New, more convenient application**

3M's new ply pack is especially well suited for customers who use applicator guns to apply sealant. Dispensing rate is improved by up to 300%. Disposable packaging waste is reduced by over 90% at the work site.



Applicator gun and  
ply pack packaging

# Simple, fast and sure way to do the job right

## Specifications

(Performance Properties\*)

### Cured Sealant

Hardness (Indentation)

Rex Type A

Model 1700. . . . . 75

Tensile Strength. . . . . 800 psi (56.24 kg/cm<sup>2</sup>)

Elongation . . . . . 400%

Weathering Resistance

XW-Weatherometer

(350 hours) . . . . . Slight chalking

Salt Spray Resistance

[28 days @ 100°F (38°C)

5% NaCl] . . . . . No significant change in tensile strength and elongation

ARC Resistance . . . . . 71 seconds

Dielectric Constant . . . . . 6.35 @ 50Hz  
4.33 @ 500,000 Hz

### Wet Sealant

Weight . . . . . 10.0 lbs./gal. (1.258 kg/L)

Non Volatile Content

(by Weight) . . . . . 80%

Viscosity Brookfield RVF #6

Spindle @ 20 RPM

80°F (27°C) . . . . . 30,000 cps

Tack Free Time

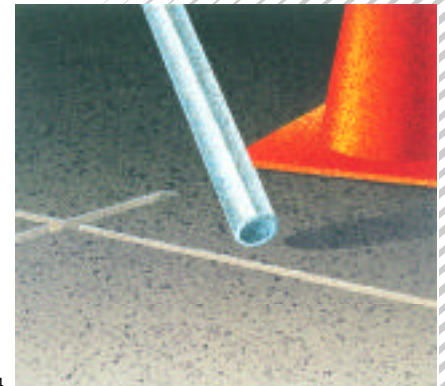
(Polyethylene Film) . . . . . 24 hours

Flash Point. . . . . 109°F (43°C)

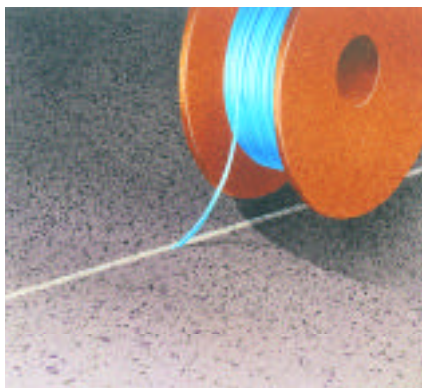
\* All results based on 3M laboratory testing.



1. Cut the loop.



2. Flush out debris and blow out standing water.



3. Install loop wires.



4. Fill sawcut with 3M<sup>®</sup> Detector Loop Sealant.

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Printed in USA  
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75-0500-2244-3