



# TECHNICAL DATA SHEET

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## RUSCOE PERMANENT SEALER MS TRAFFIC DETECTOR LOOP SEALANT

### 1. PRODUCT DESCRIPTION:

Ruscoec MS Traffic Loop Detector Sealant is a one-component, flexible sealant engineered for use in saw cuts for traffic detector loops. Ruscoec MS Traffic Loop Detector Sealant flows smoothly and easily into joints and cracks providing a permanent durable seal. The "controlled flow" technology of Ruscoec MS Traffic Loop Detector Sealant offers a fast and efficient application. This product is highly UV resistant and does not contain solvents or isocyanates.

### 2. WHERE TO USE:

Ruscoec MS Traffic Loop Detector Sealant is ideal for use in any electrical situation. Airfield lighting can be sealed with Ruscoec MS Traffic Loop Detector Sealant. Security gates with exposed wire can be held in place. Ruscoec MS Traffic Loop Detector Sealant will seal any kind of conductive loop as well as the loop connections between the loop and the wires and the lead-in wires at the pull box where problems occur due to the boxes filling with water.

### 3. TECHNICAL DATA:

Specific Gravity	1.63-1.66
Viscosity (cps) (spindle T-E @ 5 rpms)	100,000 – 120,000 cps
Skin Time	20-45 minutes
% Elongation	400%
Shore A	25
Tensile Strength	200 psi
Shrinkage	Nil
Low Temperature flexibility	Properties retained to -75°F
Staining	Non-Staining
UV Ratings (ASTM G-26)	After 2,000 hours UV-A no change in Appearance or physical properties

### 4. COLORS:

Gray and Black

### 5. PACKAGING:

Available in 28 fl. Oz. cartridges, 5-gallon pails, and 50-gallon drums.

## **6. INSTALLATION:**

1. Make saw cut for the placement of necessary wires.
2. Blow out saw cut with compressed air. Air used should be filtered to assure that it is oil and moisture free.
3. Apply sealant to clean dry surface that is free of any contaminants that could adversely affect Adhesion.
4. When slot is clean, place a 1/4" bead of sealant in the bottom of the saw cut prior to the installation of the wire (helps to provide total encapsulation as recommended by the FHWA's "Traffic Detector Handbook" dated April, 1985, report #FHWA-IP-85-1).
5. Install the wire while seating it into the sealant with a rounded wood tool such as a tongue depressor. This method will prevent any cutting of the wire insulation.
6. Fill remaining void in the saw cut with sealant from bottom to top to within 1/16<sup>th</sup> of the road surface.
7. Sealant is self-leveling so no tooling is necessary.
8. Traffic may be resumed within 1 hour without pick-up or tracking.
9. Cure time is dependent on temperature and humidity. Typical skin time is 20-40 minutes @ 70°F 50% relative humidity.

## **7. PAINTING:**

Cured product may be painted with most industrial & consumer paints. Testing prior to painting is recommended.

## **8. SHELF LIFE:**

12 months.

For maximum shelf life, store unopened product at or below 80°F.

## **9. PRECAUTIONS:**

Use with adequate ventilation. Inhalation of vapor during application and cure may cause slight eye or throat irritation. In case of contact with eyes, lips, or mouth, flush thoroughly with water. If irritation persists, consult a physician. Avoid repeated, prolonged contact with skin. See MSDS for additional information. **Keep out of reach of children.**

## **9. TECHNICAL SERVICE:**

Ruscoe technical representatives are always available to provide assistance. Please contact our Technical Service Department with your questions or requests for specific applications.

## **10. LIMITED WARRANTY:**

Any goods proved defective will be replaced or the purchase price refunded. The limited warranty described herein is in lieu of any other warranty, expressed or implied, including any implied warranty of merchantability or fitness for a particular use. The user shall determine suitability of the product for its intended use. Liability for any incidental or consequential damage or loss is excluded. The user assumes all risks of the product's use, handling and storage.

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