

# TECHNICAL DATA SHEET



## PERMANENT SEALER MS TRAFFIC DETECTOR LOOP SEALANT

### DESCRIPTION

Ruscoe MS Traffic Loop Detector Sealant is a one-component, flexible sealant engineered for use in saw cuts for traffic detector loops. Ruscoe MS Traffic Loop Detector Sealant flows smoothly and easily into joints and cracks providing a permanent durable seal. The "controlled flow" technology of Ruscoe MS Traffic Loop Detector Sealant offers a fast and efficient application. This product is highly UV resistant and does not contain solvents or isocyanates. The sealant contains low VOC's and can be used in all 50 states.

### SUGGESTED USES

Ruscoe MS Traffic Loop Detector Sealant is ideal for use in any electrical situation. Airfield lighting can be sealed with Ruscoe MS Traffic Loop Detector Sealant. Security gates with exposed wire can be held in place. Ruscoe 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.



### FEATURES

Easy application – one part ready to use as supplied; no mixing or heating required; dispensed directly from container.

- **No Solvents**
- **No Shrinkage**
- **No Isocyanates**
- **Non-yellowing**
- **Paintable**

### APPLICATION

1. Make saw cut for the placement of necessary wires.
2. Blow out saw cut with compressed air. The air used should be filtered to ensure 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" 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.

### STORAGE AND SHELF LIFE

When stored in unopened, original containers at or below 80°F (27°C), Ruscoe Permanent Sealer MS has a shelf life of one year from the date of shipping. Keep all containers tightly closed.

### HEALTH AND SAFETY

Health and safety data sheets available upon request at The Ruscoe Company.

### DRYING

Traffic may be resumed within 1 hour without picking up or tracking. Cured products may be painted with most industrial & consumer paints. Testing prior to painting is recommended.

### COLORS

Ruscoe MS Loop Sealant is available in both Gray and Black.

### 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. A void repeated, prolonged contact with skin. See MSDS for additional information. **Keep out of reach of children.**

# TECHNICAL DATA SHEET



## PERMANENT SEALER TRAFFIC MS DETECTOR LOOP SEALANT (con't)



TYPICAL PROPERTIES	
Color	Black, Grey
VOC	10 g/L
Specific Gravity	1.63 – 1.66
Skin Time	20 – 45 Minutes
Viscosity, Brookfield, Spindle #T-E @ 5 RPM	90,000 – 110,000 cps
Shelf Life	12 Months



PERFORMANCE PROPERTIES OF CURED SEALANT	
Hardness – Shore A	25
Tensile Strength ASTM D412	200 psi minimum
Elongation at Break ASTM D412	125% Minimum
Lap Shear Strength ASTM D1002	210 psi minimum
UV Ratings ASTM G-26	2,000 hrs. UV-A no change in appearance or physical properties
Shrinkage	Nil
Service Temperature	-75°F to 300°F

All statements, technical information and recommendations contained herein are based on tests believed to be reliable, but the accuracy or completeness thereof is not guaranteed, and the following is made in lieu of all warranties expresses or implied.

Seller's and manufacturer's only obligation shall be to replace such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use of, or the inability to use the product. Before using, user shall determine the suitability of the product for their intended use and user assumes all risk and liability whatsoever in connection therewith. The foregoing many are not changed except by an agreement signed by officers of seller or manufacturer.