

TECHNICAL DATA SHEET



PERMANENT SEALER TRAFFIC DETECTOR LOOP SEALANT 974

DESCRIPTION

Ruscoe Permanent Sealer 974 is a one part, elastomeric, nitrile rubber material that readily extrudes over a wide temperature range and cures to produce a tough, flexible rubber loop sealant unaffected by water, chemicals, fuels or incompressibles.

SUGGESTED USES

Ruscoe Permanent Sealer 974 nitrile rubber loop sealant is designed primarily for sealing saw cuts for inductive loop wire installations.

It effectively seals saw cuts in asphaltic concrete and portland cement concrete. The sealant is paintable simplifying striping operations.

Permanent Sealer 974 will seal wire installations for privacy gates, parking lot entries, parking ramp entries, toll gates or wherever wires need sealing.

Ruscoe 974 Sealer has been used effectively as a random crack filler in both portland cement and asphalt concrete.



FEATURES

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

- No tooling
- No priming
- Fast drying
- Total encapsulation

METHOD OF APPLICATION

Permanent Sealer 974 when packaged in cartridges can be applied with handheld cartridge guns, available in manual, air, and rechargeable battery pack type guns. When using 5-gallon pails, a follower plate air pump is necessary. There are several manufacturers of these pumps and additional information is available by contacting The Ruscoe Company customer service.

STORAGE AND SHELF LIFE

When stored in unopened, original containers at or below 90°F (32°C), Ruscoe Permanent Sealer 974 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 10 minutes without pick up or tracking.

COLORS

Ruscoe 974 Loop Sealant adheres to both asphaltic and portland cement concrete. This sealant is available in two colors.

Black is best for use as a sealant between asphalt berms and concrete roadways. Gray is the predominant choice since it can be used anywhere and is a neutral color on pavement work.

Either color is tack free within 10 minutes and allows traffic without pickup or tracking. Both colors are paintable for either traffic striping or parking place delineations.

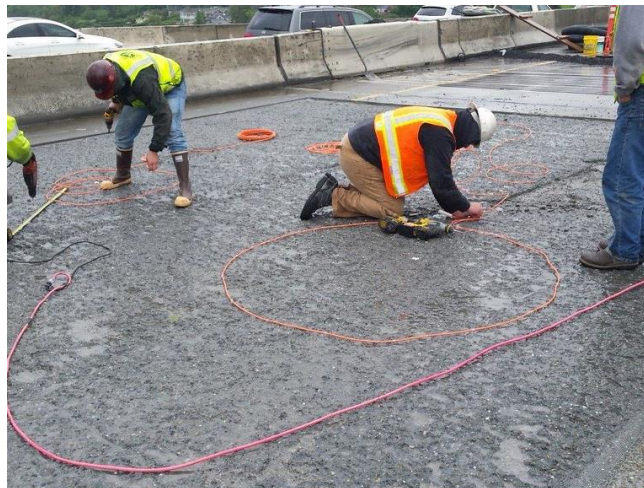
LIMITATIONS

Ruscoe Permanent Sealer 974 nitrile rubber loop sealant should not be used as a joint sealant. Its free-flowing characteristics are superior for loop wire encapsulation; however, Ruscoe Permanent Sealer 983 should be used for joint sealing.

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TYPICAL PROPERTIES

Color	Black, Grey
Solids, by Weight %	60 – 65%
Solvent Formulation	Methyl Isobutyl Ketone
Flash Point of Solvent	60°F (15.5°C)
Drying Time – ASTM D1640	Dry to touch 2 – 3 mins
Viscosity, Brookfield, Spindle #6 @ 20 RPM	250,000 – 350,000
Pounds Per Gallon @25°C (77°F)	9.25
Shelf Life	12 Months

PERFORMANCE PROPERTIES OF CURED SEALANT

Hardness (Indentation) ASTM D2240	25 – 35
Tensile Strength ASTM D412	125 psi minimum
Elongation ASTM D412	1000% Minimum
Adhesion (Peel Strength) ASTM D903	30 lbs. min, per inch width
Weathering Resistance ASTM D822 <i>Weatherometer 350 Hrs. Cured 7 days @77°F (25°C) 50% RH</i>	Slight Chalking
ARC Resistance ASTM D495	70 Seconds (average)
Dielectric Constant ASTM D-150	8.90 @ 100 Hz 6.01 @400,000 H.
Chemical Resistance ASTM D471	No effect by use of deicing chemical, gasoline, hydraulic brake fluid, motor oil, calcium chloride (5%) or jet fuel



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 nr 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.