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PRODUCT DATA SHEET

LOOP DETECTOR SEALANT 271

PART NO. 34271

JANUARY 2008

READ BEFORE USING THIS PRODUCT

GENERAL Crafco Loop Detector Sealant 271 is a hot-applied, rubberized asphalt material formulated to be a stiff, yet flexible, sealant which is ideally suited for sealing traffic loop detector cuts. At application temperatures, Loop Detector Sealant 271 is a thin, free-flowing fluid which pours easily, penetrates narrow traffic loop detector cuts and self-levels; thus, permitting easy application. The Sealant can be used to seal narrow or wide loop cuts in either asphalt or portland cement concrete pavements. After application, Loop Detector Sealant 271 cools to produce a well bonded stiff product at ambient temperatures which resists tracking or pick-up in areas with slow moving or pedestrian traffic. Loop Detector Sealant 271 can be melted and applied to pavements using either pressure feed melter applicator units or pour pots. Loop Detector Sealant 271 has been a quality Crafco product for over 20 years. VOC = 0 g/l.

SPECIFICATION CONFORMANCE Recommended specification for Loop Detector Sealant 271 when heated to the safe heating temperature in accordance with ASTM D5167 is:

<u>Test</u>	<u>Specification Limits</u>
Thermosel Viscosity at 400°F (204°C) (ASTM D4402)	4000cp max
Penetration, 125°F (52°C), 50g, 5 sec. (ASTM D5)	50 max.
Penetration, 77°F (25°C), 100g, 5 sec. (ASTM D5)	10-25
Softening Point (ASTM D36)	210°F (99°C) min.
Ductility, 77°F (25°C) (ASTM D113)	15 cm min.
Flexibility, 0°F (-18°C) Crafco Procedure)	Pass
Minimum Application Temperature	380°F (193°C)
Maximum Heating Temperature	420°F (216°C)

INSTALLATION The unit weight of Loop Detector Sealant (34271) is 8.5 lbs. per gallon (1.02 kg/L) at 60°F (15.5°C). A 6' x 40' (1.8 m X 12.2 m) loop which is 3/8" (1cm) wide and 2.5" (6.2cm) deep requires approximately 37 lbs. (16.7 kg) of sealant. Prior to use, the user must read and follow the Installation Instructions for Loop Detector Sealant to verify proper product selection, heating methods, pavement preparation procedures, application geometry, usage precautions, and safety procedures. These instructions are provided with each pallet of sealant.

PACKAGING Loop Detector Sealant is available in two package types; self release 3 compartment boxes, and single compartment boxes. The self release 3 compartment boxes contain approximately 25 lbs (11.3 kg) of material. The boxes are palletized into shipping units of 48 boxes and weigh approximately 1,200 lbs. (544 kg). The single compartment boxes contain a non adherent film to permit easy removal of sealant. Each single compartment box contains approximately 30 lbs. (13.6 kg) of sealant. Palletized units contain 72 boxes which weigh approximately 2,160 lbs. (980kg). Pallets of sealant are weighed and product is sold by the net pallet weight. Boxes of either type use tape closure and do not contain any staples. Boxes are labeled with the product name, part number, lot number, specification conformance, application temperatures, and safety instructions. Palletized units are protected from the weather using a two mil. thick plastic bag, a weather and moisture resistant cap sheet, and a minimum of two layers of six month U.V. protected stretch wrap. Pallets are labeled with the product part number, lot number, and net weight. Installation instructions are provided with each pallet in a weather resistant enclosure.

WARRANTY CRAFTCO, Inc. warrants that CRAFTCO products meet applicable ASTM, AASHTO, Federal or State specifications at time of shipment. Techniques used for the preparation of the cracks and joints prior to sealing or filling are beyond our control as are the use and application of the products; therefore, Crafco shall not be responsible for improperly applied or misused products. Remedies against Crafco, Inc., as agreed to by Crafco, are limited to replacing nonconforming product or refund (full or partial) of purchase price from Crafco, Inc. All claims for breach of this warranty must be made within three (3) months of the date of use or twelve (12) months from the date of delivery by Crafco, Inc. whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow Crafco recommendations for product installation**



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LOOP DETECTOR SEALANT 272

PART NO. 34272

JANUARY 2008

READ BEFORE USING THIS PRODUCT

GENERAL Crafco Loop Detector Sealant 34272 is a hot-applied rubberized asphalt material which is formulated specifically to be a stiff, tracking resistant, yet flexible, sealant used for loop detector cuts in asphalt and concrete pavements. When heated to proper application temperature, Loop Detector Sealant 34272 is self-leveling and pours easily to penetrate, fill and seal loop cuts. Loop Detector Sealant 34272 can be melted and applied to pavements using either pressure feed melter applicator units or pour pots. Loop Detector Sealant 272 has been a quality Crafco product for over 15 years. VOC = 0 g/l.

SPECIFICATION CONFORMANCE Loop Detector Sealant 34272 meets specification requirements of Caltrans Section 86-5.01a for Hot-Melt Rubberized Loop Sealant when heated to application temperature according to ASTM D5167 as follows:

<u>Test</u>	<u>Requirement</u>
BrookField Viscosity @ 375°F (191°C) (ASTM D4402)	2500-3500 cp
Cone Penetration, 77°F (25°C), (ASTM D5329)	35 max.
Flow 140°F (60°C), 5h (ASTM D5329)	5mm max
Resilience 77°F (25°C) (ASTM D5329)	30% min.
Softening Point (ASTM D36)	180°F (82°C) min.
Ductility, 77°F (25°C) (ASTM D113)	30 cm min.
Flash Point, COC	550°F (288°C) min.

Additional Properties of Loop Detector Sealant 34272 are:

Flexibility, 0°F (-18°C) 5 sec, 180° bend, 1/2" mandrel	Pass
Minimum Application Temperature	380°F (193°C)
Maximum Heating Temperature	400°F (204°C)

INSTALLATION The unit weight of Loop Detector Sealant 272 is 10.5 lbs./gallon (1.26 kg/l) at 60°F (15.5°C). A 6'X40" (1.8m X 12.2 m) loop which is 3/8" (1 cm) wide and 2.5" (6.2cm) deep requires approximately 46 lbs. (20.7 kg) of sealant. Prior to use, the user must read and follow the Installation Instructions for Loop Detector Sealant to verify proper product selection, heating methods, pavement preparations, application geometry, usage precautions and safety procedures. These instructions are provided with each pallet of sealant.

PACKAGING Loop Detector Sealant 272 is available in two package types; self release 3 compartment boxes, and single compartment boxes. The self release 3 compartment boxes contain approximately 35 lbs (15.9 kg) of material. The boxes are palletized into shipping units of 48 boxes and weigh approximately 1,680 lbs. (762 kg). The single compartment boxes contain a non adherent film to permit easy removal of sealant. Each single compartment box contains approximately 38 lbs. (17.2 kg) of sealant. Palletized units contain 72 boxes which weigh approximately 2,700 lbs. (1,225kg). Pallets of sealant are weighed and product is sold by the net pallet weight. Boxes of either type use tape closure and do not contain any staples. Boxes are labeled with the product name, part number, lot number, specification conformance, application temperatures, and safety instructions. Palletized units are protected from the weather using a two mil. thick plastic bag, a weather and moisture resistant cap sheet, and a minimum of two layers of six month U.V. protected stretch wrap. Pallets are labeled with the product part number, lot number, and net weight. Installation Instructions are provided with each pallet in a weather resistant enclosure.

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