



PRODUCT DATA SHEET, PART NO. 89015

ULTRASEAL 3407 LM

JOINT/CRACK SEALANT, June 2022

DESCRIPTION:

Ultraseal 3407 LM Joint/Crack Sealant is a single component, hot applied rubber polymer asphalt compound. It is composed of a selected compatible asphalt, synthetic rubbers, and stabilizing fillers. This blend of materials produces a compound that is very resilient, has a low modulus and displays excellent adhesive properties. The low modulus properties allow for a lower stress/strain relationship at low temperatures. VOC=0 g/l.

USE:

Ultraseal 3407 LM is used for sealing horizontal cracks and joints, in asphaltic and concrete pavements, to prevent the infiltration of moisture. Suitable for use in areas where pavement temperatures during the winter can reach -29 °C (-20 °F) and lower.

APPLICATION:

Material is heated in a double-jacketed oil bath Melter, equipped with a mechanically operated agitator. Minimum application temperature is 193 °C (380 °F). Installation can be by gravity pouring cone or by pressurized wand system.

** Temperature when sealant comes in contact with pavement surface. **Low modulus sealant must be installed at recommended application temperatures to achieve acceptable levels of adhesion.** Sealant installed to dirty or wet surfaces may not achieve acceptable adhesion.

PHYSICAL PROPERTIES:

Property	Test Method	Typical Results
Penetration @ 25 °C (77 °F)	ASTM D5329	100-150 units
Flow @ 60 °C (140 °F)	ASTM D5329	10.0 mm Max.
Softening Point	ASTM D36	80 °C min.
Resilience @ 25 °C (77 °F)	ASTM D5329	30% min.
Asphalt Compatibility	ASTM D5329	Pass
Low Temp. Flexibility	180° Bend over ¼" Mandrel	Pass -25 °C (-13 °F)
Minimum Application Temperature		193 °C (380 °F)
Maximum Heating Temperature		204 °C (400 °F)

*Temperature of product measured at pavement surface. Use highest Recommended Application Temperature in cool weather.

*Prolonged heating at or above Recommended Application Temperature may severely damage product.

PACKAGING:

Product is supplied in cardboard boxes. Packaged in accordance with OSHA, GHS, and specification requirements; are sold by net weight; are interlock stacked on 48 x 40 in. (122 x 102 cm) 4-way pallets; can be stored outside; and are covered with a weather resistant pallet cover and 2 layers of UV protected stretch wrap.

- o **BOX** packaging consists of cardboard boxes containing 30 lbs. (13.6 kg) of product with 75 boxes per pallet, weighing approximately 2250 lbs. (1020 kg). Boxes contain a quick melting release film for easy removal and are taped closed, without any staples.

PERFORMANCE:

Temperature fluctuations, site conditions, surface preparation, traffic, installation technique, material selection, shape factor and surface treatment compatibility influence the effectiveness and useful life of Pavement Preservation treatments. Consider and monitor each element for optimum results. Purchaser and end user should determine applicability for use in their specific conditions.

WARRANTY:

Manufacturer warrants that product meets 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, manufacturer shall not be responsible for improperly applied or misused products. Remedies against manufacturer, as agreed to by manufacturer, are limited to replacing nonconforming product or refund (full or partial) of purchase price from manufacturer. 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 manufacturer, whichever is earlier. There shall be no other warranties expressed or implied. **For optimum performance, follow manufacturer recommendations for product installation.**



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