



PRODUCT DATA SHEET, PART NO. 89015

ULTRASEAL 3407 LM

JOINT/CRACK SEALANT, February 2011

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. Recommended application temperature is 193-204° C (380-400°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 dmm
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)
Recommended Application Temperature	ASTM D5167	193-204° C (380-400°F)
Maximum Heating Temperature	ASTM D6690	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 Material is packaged in cardboard boxes sized to accommodate a maximum of 40 lb (18.0 kg). Material contained in each box is wrapped in a quick melt liner which is dissolved and incorporated into the melted product. Standard packaging is 30 lb (13.6 kg) per box, palletized 75 boxes per pallet with an approximate net weight of 2,250 lb (1,021.0 kg). Pallets are moisture protected with a plastic wrapping and bound with a minimum of two layers of UV resistant stretch wrap.

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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