



PRODUCT DATA SHEET, PART NO. 89010

ULTRASEAL 3405 MTO

JOINT/CRACK SEALANT, September 2016

DESCRIPTION:

Ultraseal 3405 MTO 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 and displays excellent adhesive properties. VOC=0 g/l.

USES:

Ultraseal 3405 MTO is used for sealing horizontal cracks and joints, in asphaltic and concrete pavements, to prevent the infiltration of moisture. Ultraseal 3405 MTO Meets MTO All Districts requirements and is listed as a designated approved material for MTO uses (DSM #3.05.40 and #3.20.45).

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 pumping. Installation should be done only when weather conditions are dry and pavement temperature exceeds 40° F (5° C). Sealant must be applied to a clean dry surface. Compatibility with surface treatments should be confirmed by the user through field-testing prior to application.

PHYSICAL PROPERTIES:

Property	Test Method	Specifications
Penetration @ 25°C (77°F)	ASTM D5329	90 maximum
Bond 50% Extension, 12.7 mm (0.5)	ASTM D5329	Pass 5 cycles @ -18°C (0°F)
Resilience	ASTM D5329	30 minimum
Flow, 5 h, 60°C (140°F), mm	ASTM D5329	3 maximum
Asphalt Compatibility	ASTM D5329	Pass
Softening Point °C	ASTM D36	80°C (176°F) minimum
Maximum Heating Temperature	ASTM D6690	204°C (400°F)
Recommended Application Temperature	ASTM D5167	193-204°C (380-400°F)

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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