



PRODUCT DATA SHEET, PART NO. 89010

ULTRASEAL 3405 MTO

JOINT/CRACK SEALANT, June 2022

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. Minimum application temperature is 193 °C (380 °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 | | 204 °C (400 °F) |
| Minimum Application Temperature | | 193 °C (380 °F) |

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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