

DESCRIPTION DEERY 101 is a low modulus, hot applied, single component, elastically modified composition of asphalt cement, virgin synthetic polymer, premium rubber, and other modifiers. The sealant contains no solvent, is pre-reacted and conforms to the requirements of **ASTM D6690 Type IV, ASTM D3405 Low Modulus, AASHTO M324 Type IV and AASHTO M301 Low Modulus**. Material is tested for low temperature performance at -20°F (-29°C) using 200% extension. VOC=0 g/l.

USE DEERY 101 is a low viscosity pavement preservation sealant intended for highway, street and aviation applications for sealing transverse joints and random transverse cracks in Asphalt or Concrete pavements where a soft, low modulus material is desirable. Properly installed, DEERY 101 is an effective barrier against damage from debris and moisture infiltration into cracks and joints within regions experiencing moderate high and very low pavement temperatures. Deery 101 is not recommended for use in parking lots or areas frequented by foot traffic.

HEATING and APPLICATION Sealant shall be heated in a hot-oil jacketed melter capable of constant mechanical agitation and equipped with a calibrated thermometer to monitor sealant temperature. Material shall be heated to and maintained at the Recommended Application Temperature during use. Material can be cooled and then reheated, but only if prolonged heating is avoided. Prolonged heating at or above Recommended Application Temperature may severely damage product. If overheating damage occurs, immediately drain machine completely and refill with new material. DEERY 101 is pre-reacted and can be applied immediately after heating to Recommended Application Temperature. With pavement temperature at 40°F (4°C) or higher, place material into clean, dry crack or prepared reservoir by means of a hand-held pour pot, wheeled push bander or wand applicator. Squeegee any excess sealant tight to pavement surface. Excessive over-banding should be avoided. Pavement may be warmed to 40°F (4°C) or higher with a Hot Air Lance. For more details on heating and application, refer to the **Installation Instructions- Hot Applied Sealant** sheet which is included with each pallet of product. Specific Gravity of DEERY 101 sealant is 1.15.

PROPERTIES OF DEERY 101

When sampled and heated to maximum heating temperature in accordance with ASTM D-5167

TEST	METHOD	SPECIFICATION
Cone Penetration @ 77°F (25°C)	ASTM D5329	90-150 dmm
Flow @ 140°F (60°C)	ASTM D5329	3.0 mm maximum
Softening Point	ASTM D5329	176°F (80°C) min.
Bond @ -20°F (-29°C), 200% ext., 12.7 mm sample	ASTM D5329	Pass 3 cycles
Resilience @ 77°F (25°C)	ASTM D5329	60% minimum
Asphalt Compatibility	ASTM D5329	Pass
Recommended Application Temperature	ASTM D5167	380-400°F (193-204°C)*
Maximum Heating Temperature	ASTM D6690	400°F (204°C)

*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 Packaging consists of individual boxes of product which are palletized into shipping units. Boxes are made from corrugated kraft board with a minimum rating of 44 ECT. Boxes contain a non-adherent film liner that permits easy removal of product from the box and quickly melts into the product during heating. Boxes use tape closure and do not contain any staples. Boxes are made from renewable resources and are fully recyclable. Pallets contain up to 75 boxes stacked in layers. Weight of product in boxes does not exceed 40 lbs. (18 kg). Pallet weights do not exceed 2880 lbs. (1310 kg). Pallets of product are weighed and sold by net product weight, not including weight of the boxes, pallet and outer wrapping. Boxes are labeled with the manufacturer, product name, product part no., product lot no., heating temperatures, safety information and use instructions. Palletized units are protected from the weather using a minimum 3 mil thick plastic bag, a weather and moisture resistant cap sheet and a minimum of 2 layers of 6 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 of product.

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 these 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, 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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FOR ADDITIONAL INFORMATION
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