

# DEERY<sup>BRAND</sup> ASPHALT PAVEMENT PRESERVATION PRODUCTS

## & FIBER

**PRODUCT DATA SHEET  
FEBRUARY 2011**

### HOT APPLIED SEALANT, Part No. 80401

**DESCRIPTION** DEERY ASPHALT & FIBER is a hot applied, modified composition of asphalt cement, polyester fibers, and other modifiers. The sealant contains no solvent, is pre-mixed and packaged, and conforms to the requirements of the specification designated herein. DEERY ASPHALT & FIBER exceeds the requirements of many State DOT specifications and contains 5 +/- ½% of polyester fiber by total weight of asphalt cement or other ratios as required by various specifications. VOC=0 g/l.

**USE** DEERY ASPHALT & FIBER is a high viscosity pavement preservation sealant intended for highway, street and aviation applications for sealing longitudinal and transverse joints and random cracks in Asphalt or Concrete pavements. Properly installed, DEERY ASPHALT & FIBER is an effective barrier against damage from debris and moisture infiltration into cracks and joints within regions experiencing moderate high and low pavement temperatures.

**HEATING** 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 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.

**APPLICATION** DEERY ASPHALT & FIBER is pre-mixed and can be applied immediately after heating to the 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 wand applicator. Squeegee any excess sealant tight to pavement surface. Pavement may be warmed to 40°F (4°C) or higher with a Hot Air Lance.

**PROPERTIES of DEERY ASPHALT & FIBER**  
**When sampled and heated to maximum heating temperature in accordance with ASTM D5167**

<b>TEST</b>	<b>METHOD</b>	<b>SPECIFICATION</b>
Cone Penetration @ 77°F (25°C)	ASTM D5329	10-35 dmm
Softening Point	ASTM D36	175°F (79°C) minimum
Flexibility 1" rod, 30°F, 90° bend, 10 sec.	ASTM D3111 modified	Pass – No cracks
Flashpoint	ASTM D92	500°F (260°C) minimum
Polyester Fiber Content (by weight of asphaltic cement)		5% ± 0.5%
Recommended Application Temperature	ASTM D5167	380-400°F (193-204°C)*
Maximum Heating Temperature	ASTM D6690	400°F (204°C)*
Approximate Weight per Gallon @ 60°F (16°C)		8.8 pounds per gallon

\*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.

**PROPERTIES of POLYESTER FIBER**

Denier	ASTM D1577	3.0-6.0 or as required to comply with specification
Length		0.25" ± 0.02"
Crimps		None
Specific Gravity		1.32-1.40
Tensile Strength	ASTM D2256	70,000 psi minimum
Elongation		35-38% Minimum
Melting Temperature		475°F (246°C)
Ignition Temperature		1,000°F (538°C) minimum

**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.

**FOR ADDITIONAL INFORMATION**

Call: 1-800-227-4059 toll free  
Email: [info@deeryamerican.com](mailto:info@deeryamerican.com)  
Web: [www.deeryamerican.com](http://www.deeryamerican.com)

**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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