

AC & FIBER 403

HOT APPLIED SEALANT, Part No. 80403

DESCRIPTION

DEERY MODIFIED AC & FIBER 403. is a hot applied, elastically 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 MODIFIED AC & FIBER 403. 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 MODIFIED AC & FIBER 403 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 MODIFIED AC & FIBER 403 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 MODIFIED AC & FIBER 403 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 MODIFIED AC & FIBER 403

When sampled and heated to maximum heating temperature in accordance with ASTM D5167

<u>Fiber</u>	<u>Properties</u>
Type	Polyester
Denier	3 to 5
Length	1/4 inch (.6cm)
Specific Gravity	1.38
Melt Temperature	478°F – 490°F (248°C – 254°C)
Tensile Strength	78,000 - 88,000 PSI (53708 - 60632 N/cm ²)
Elongation at Break	35 - 38%

Specification limits for Deery Modified AC & Fiber 403 when heated in accordance with ASTM D5167 are:

Recommended Application Temperature	350°F (177°C)
Safe Heating Temperature	400°F (204°C)
Softening Point (ASTM D36)	195°F (91°C) min.
Flexibility, 1"(25mm), 90 degree bend, 10 sec.	Pass @ -20°F (-29°C)
Cone Penetration 77°F (25°C) (ASTM D5329)	50 max.
Ductility, 77°F (25°C) (ASTM D113)	10 cm min.
Asphalt Compatibility (ASTM D5329)	Pass

PACKAGING

Product can be supplied in either standard cardboard boxes, or in melttable, boxless PLEXI-melt packaging. Both packaging types are labeled in accordance with OSHA, GHS, and specification requirements; are sold by net weight; are supplied interlock stacked on 48 by 40 inch 4-way pallets; can be stored outside; and are covered with a weather resistant pallet cover and 2 layers of UV protected stretch wrap.

BOX packaging consists of cardboard boxes containing approximately 30 lb. of product with 75 boxes per pallet, weighing approximately 2250 lbs. Boxes contain a quick melting release film enabling easy removal of product from the box. Boxes are taped closed, without any staples.

PLEXI-melt packaging consists of blocks containing 30 lb. of product with 70 packages per pallet, weighing 2100 lbs. To use, the pallet wrapping is removed, and the individual blocks are placed in the melter. There are no cardboard boxes to open, empty, or dispose of. The PLEXI-melt packaging quickly melts into the product without affecting properties.

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.**

**FOR ADDITIONAL
INFORMATION**
Call: 1-800-227-4059 toll free
Email: info@deeryamerican.com
Web: www.deeryamerican.com