

DESCRIPTION

DEERY 103GLWY is a hot applied, single component, elastically modified composition of asphalt cement, virgin synthetic polymer, recycled vulcanized tire rubber, and other modifiers. The sealant contains no solvent, is pre-reacted and conforms to the requirements of **ASTM D6690 Type I, AASHTO M324 Type I, and additional requirements of the Wyoming Department of Transportation**. Material is tested for low temperature performance at 0 °F (-18 °C) using 50% extension. VOC=0 g/l.

USE

DEERY 103GLWY is a moderate 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 where a free-flowing material is desirable. Properly installed, DEERY 103GLWY 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 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 103GLWY 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. 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 103GLWY sealant is 1.18.

PROPERTIES of DEERY 103GLWY

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

<u>TEST</u>	<u>METHOD</u>	<u>SPECIFICATION</u>
Cone Penetration @ 77 °F (25 °C)	ASTM D5329	90 Units maximum
Softening Point	ASTM D5329	176 °F (80 °C) minimum
Bond @ 0 °F (-18 °C), 50% ext., 25.4 mm sample	ASTM D5329	Pass 3 cycles
Asphalt Compatibility	ASTM D5329	Pass
Relative Density	ASTM D71 WY Modified	1.193 maximum
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

Product is supplied in either cardboard boxes, or in meltable boxless packaging. Both package types are labeled 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 lb. (1020 kg). Boxes contain a quick melting release film for easy removal and are taped closed, without any staples.
- o **Meltable** packaging consists of approximately 30 lb. (13.6 kg) completely meltable packages that are interlocked stacked on pallets. To use, the pallet wrap is removed, and individual blocks are placed in the Melter. There are no individual cardboard boxes to open, empty, handle, or dispose of. Meltable packaging quickly melts into the product without affecting specification conformance. Meltable packaged sealant products are sold by the pallet only and individual packages are not intended for sale. For more details on meltable packaging go to <https://crafco.com/materials-documentation/>

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

This product is warranted by the manufacturer to meet specification requirements at time of shipment according to CrafcO terms and conditions of sale. For optimum performance, follow recommendations for installation.



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