

# JOINT ADHESIVE

## HOT APPLIED SEALANT, Part No. 80407

**DESCRIPTION** DEERY Cold Joint Adhesive is a single component, hot applied, polymer-modified asphalt compound. It is composed of specialty polymers and inert stabilizers blended into a compatible asphalt. This blend of material produces a compound with excellent adhesive properties and is very flexible at low temperatures. VOC=0 g/l.

**USE** DEERY Cold Joint Adhesive is applied to longitudinal cold construction joints in asphalt concrete pavements. The tenacious bond created by the joint adhesive coupled with its waterproofing property, increases the durability and life expectancy of the joint.

**HEATING** Material 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.

**APPLICATION** DEERY Cold Joint Adhesive 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 onto the exposed edge joint face by means of a hand-held pour pot, wheeled push bander or wand applicator. Installation of adhesive is best using pressurized wand applicator. Pavement may be warmed to 40 °F (4 °C) or higher with a Hot Air Lance.

### PROPERTIES of DEERY COLD JOINT ADHESIVE

#### 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	60-100
Flow @ 140 °F (60 °C)	ASTM D5329	5 mm maximum
Tensile Adhesion 1" Specimen, 24-hour dry blocks	ASTM D5329	500% minimum
Asphalt Compatibility	ASTM D5329	Pass
Brookfield Viscosity @ 400 °F (204 °C)	ASTM D2669	4,000-10,000 cP
Softening Point	ASTM D36	170 °F (77 °C) minimum
Resilience, @ 77 °F (25 °C)	ASTM D5329	30% minimum
Ductility @ 77 °F (25 °C)	ASTM D113	30 cm minimum
Ductility @ 39.2 °F (4 °C)	ASTM D113	30 cm minimum
Flexibility, 0 °F (-18 °C)	ASTM D3111 modified	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** 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.

- **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.
- **Meltable** packaging consists of approximately 30 lbs. (13.6 kg) completely meltable packages that are interlock 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 indented 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** 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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