

DESCRIPTION DEERY SAMA is a single component, hot applied, polymer-modified Stress Absorbing Mastic Adhesive. It is composed of specialty polymers and inert stabilizers blended with liquid asphalt to create a compound with excellent adhesive and waterproofing properties for use in the DEERY FlexAble Bridge Joint System. VOC=0 g/l.

USE DEERY SAMA is designed for use as an adhesive interlayer between the floor and sidewall surfaces of the joint block-out and the stone filled FlexAble Bridge Joint Material. Properly installed, the SAMA material waterproofs the joint cavity and encapsulates the gap bridging plate to isolate and absorb vibration and movement between deck slabs.

HEATING Material shall be heated in a hot-oil jacketed melter capable of constant mechanical agitation and equipped with a calibrated thermometer to monitor material 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 SAMA, a component of the FlexAble Bridge Joint System, shall be applied after installation of backer rod and application of DEERY Surface Conditioner (DSC) have been completed and cured as specified. SAMA is pre-reacted and can be applied immediately after heating to Recommended Application Temperature. Do not apply when pavement temperature is below 40°F (4°C). Recommended installation sequence is as follows.

- Using a hand-held pour pot, wheeled or wand applicator, place SAMA along the center line of the joint.
- Working in short lengths to maintain maximum temperature, dispense only the amount required to cover the backer rod and coat the joint floor 6 inches on each side of the gap. The remaining surfaces will be coated later.
- Using a hand trowel, spread and level the SAMA to a constant thickness of 3/16 inch (5 mm) while maintaining the desired width on each side of the gap.
- While the SAMA remains liquid, set the gap plate sections, centered in the joint. Apply sufficient pressure to eliminate air voids and to embed the plates firmly into the SAMA.
- Continue this process until all the gap plate sections are set.
- Again, working in short sections to maintain maximum temperature, place and trowel hot SAMA over the gap plate and onto all remaining uncoated surfaces to a constant thickness of 1/8 inch (3 mm).

PROPERTIES of DEERY SAMA

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

TEST	METHOD	SPECIFICATION
Penetration @ 0°F (-18°C)	ASTM D5329	10 dmm Minimum
Penetration @ 77°F (25°C)	ASTM D5329	100 dmm Maximum
Penetration @ 140°F (60°C)	ASTM D5329	200 dmm Maximum
Flow @ 140°F (60°C)	ASTM D5329	3 mm Maximum
Extension/Elongation	ASTM D412	1000%
Softening Point (R&B)	ASTM D36	180°F (82°C) Minimum
Low Temperature Flexibility	ASTM D3111 modified	Pass @ 0°F (-18°C)
Asphalt Compatibility	ASTM D5329	Complete
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 Material is packaged in cardboard boxes containing a maximum of 40 lb (18.0 kg). Each box contains a quick melt liner, which is dissolved and incorporated into the melted product. All ingredients shall be accurately pre-proportioned in one container. The container shall be designed to insure that the binder portion shall be kept substantially separate from and not pre-mixed with any other ingredient.

FOR ADDITIONAL INFORMATION

Call: 1-800-227-4059 toll free

Email: info@deeryamerican.com

Web: 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.**