



# DEERY

AMERICAN CORPORATION **IS**  
**Pavement Preservation Products**

**DATA SHEET**

Effective 6-1-2010

## DEERY PLS HOT APPLIED SEALANT

**DESCRIPTION** DEERY PLS is a hot applied, single component, elastically modified composition of asphalt cement, virgin synthetic polymer, recycled rubber, and other modifiers. The sealant contains no solvent, is pre-reacted and conforms to the requirements of the specification designated herein and conforms to the requirements of many state DOT specifications.

**USE** DEERY PLS is a moderately 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 where use of high levels of recycled material is desirable. Properly installed, DEERY PLS is an effective barrier against damage from debris and moisture infiltration into cracks and joints within regions experiencing moderate high and moderate 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 PLS 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 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.

### PROPERTIES of DEERY PLS

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	45 dmm maximum
Flow @ 140°F (60°C)	ASTM D5329	3.0 mm maximum
Resilience @ 77°F (25°C)	ASTM D5329	30% minimum
Asphalt Compatibility	ASTM D5329	Pass
Softening Point	ASTM D36	210°F (99°C) minimum
Ductility @ 77°F (25°C)	ASTM D113	30 cm minimum
Viscosity @ 400°F (204°C)	Brookfield	100 Poise 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** 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** COMPLETE DETAILS ON REVERSE SIDE OF THIS DATA SHEET

# **DEERY AMERICAN CORPORATION AND MANUFACTURER'S LIMITED WARRANTY**

Deery American Corporation and Manufacturer (collectively "Deery")  
warrants its products with the following conditions:

## **WHAT IS COVERED**

Deery warrants that according to internal laboratory testing this product meets applicable product specifications at the time of shipment as described in the applicable Product Specification in this Product Data Sheet. Deery does not warrant that internal test results will be duplicated by other laboratories. The warranty period is one year commencing from the date of original shipment or three months from the date of use of the product, whichever occurs first, or said claims are barred.

## **WHAT IS NOT COVERED**

Deery assumes no liability for product failure due to improper installation or application, misuse, equipment failure, operator error or use of product with incompatible materials. Due to the unpredictable nature of site and substrate conditions, it is the buyer and user's responsibility to determine and thoroughly confirm fitness and compatibility for use and to determine suitability of performance, efficacy and safety.

IN NO EVENT SHALL DEERY BE LIABLE FOR INDIRECT, INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES OR LOSSES REGARDLESS OF THE THEORY OF LIABILITY WHILE EITHER UNDER WARRANTY OR THEREAFTER.

## **REMEDIES**

Your sole and exclusive remedy for any failure of the product to meet specifications and/or breach of any applicable warranty is limited, at Deery's option, to full or partial refund of the original purchase price of the product or replacement of the product if determined by Deery to be other than warranted. This shall be your sole and exclusive remedy whether in contract, tort or otherwise.

## **ADDITIONAL LIMITATIONS**

THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. TO THE EXTENT PERMITTED BY APPLICABLE LAW, DEERY SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. ANY IMPLIED WARRANTY REQUIRED BY APPLICABLE LAW SHALL BE LIMITED IN DURATION TO THE EXPRESS WARRANTY TERM.

## **GOVERNING LAW**

THIS WARRANTY SHALL BE INTERPRETED, AND THE RIGHTS AND LIABILITIES OF THE PARTIES HERETO DETERMINED, IN ACCORDANCE WITH THE LAWS OF THE STATE OF COLORADO.