Veneta Tecnologie
ATTREZZATURE INNOVATIVE PER LA CANTIERISTICA

**Veneta Tecnologie srl**
Via Serenissima, 4
36075, Montecchio Maggiore
Vicenza - Italia
Tel. +39 0444 493111
Fax +39 0444 496329

info@venetatecnologie.com
www.venetatecnologie.com

Cap. Soc. 10.600,00€ I.V.
R.E.A. 274356/VI - Reg. Imp. VI n. 48864
C.F. e P.IVA IT 02779890249

DIVISIONE ENGINEERING
Gelal e Castegnaro

# DATA SHEET - DEERY 103 GL

## DESCRIPTION

DEERY 103GL 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 **ASTM D6690 Type I, ASTM D1190, AASHTO M324 Type I, AASHTO M173 and Federal Specification SS-S-164.** Material is tested for low temperature performance at 0° F (-18° C) using 50% extension. Previously labelled as CMC #103GL.

## USE

DEERY 103GL 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 103GL 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 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 103GL 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 103GL

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

| TEST | METHOD | SPECIFICATION |
|---|---|---|
| Cone Penetration @ 77'F (25°C) | ASTM D5329 | 90 dmm maximum |
| Flow @ 140°F (60°C) | ASTM D5329 | 5.0 mm maximum |
| Bond @ O'F (-IE'C), 50% ext., 25.4 mm sample | ASTM D5329 | 2 blocks, pass 5 cycles |
| Asphalt Compatibility | ASTM D5329 | 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.

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## 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.

## 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.

## WARRANN

COMPLETE DETAILS ON REVERSE SIDE OF THIS DATA SHEET

## SEALANT PERFORMANCE RANGES

| DEERY PRODUCT | TEMPERATURE RANGE | |
|---|---|---|
| | AMBIENT AIR | PAVEMENT SURFACE |
| **DEERY 220** | 0° C ~ 52° C | 0° C ~ 76° C |
| **DEERY 200** | -4° C ~ 46° C | -4° C ~ 70° C |
| **DEERY 180** | -10° C ~ 40° C | -10° C ~ 64° C |
| **DEERY 103** | -22° C ~ 40° C | -22° C ~ 64° C |
| **DEERY 103 GL** | -22° C ~ 40° C | -22° C ~ 64° C |
| **DEERY 102 GL** | -22° C ~ 40° C | -22° C ~ 64° C |
| **DEERY 3723** | -34° C ~ 34° C | -34° C ~ 64° C |
| **DEERY 101** | -40° C ~ 40° C | -40° C ~ 64° C |
| **DEERY 101 ELT** | -40° C ~ 40° C | -40° C ~ 64° C |