

# ***BM-90***

## ***BIOMASS MODIFIED SEALING ASPHALT***

- ⇒ Environmentally friendly
- ⇒ Zero VOC (Volatile Organic Compounds)
- ⇒ Non-flammable
- ⇒ Quick set / open to traffic in minutes
- ⇒ Better adhesion in shaded areas
- ⇒ Cold weather flexibility and crack resistance
- ⇒ Hot weather stiffness no bleeding or tracking
- ⇒ Rapid aggregate retention
- ⇒ Extends the pavement life cycle



574-287-2828



989-684-0341



260-587-3888

**BM-90** is a hot applied chip seal binder that is biomass (vegetable fats) modified. Biomass modification gives the binder a high viscosity and high penetration for warm weather stiffness; no bleeding or tracking, and cold weather flexibility for crack resistance. BM-90 does this without adding petroleum solvents or carcinogenic oils, and is non-flammable. BM-90 is applied at temperatures of 275F to 325F, and application rates of 0.20 to 0.55 per sq. yd. depending on aggregate gradation. The rapid cooling of the hot applied binder equals immediate aggregate retention, getting roads open to traffic in minutes. This also means more aggregate retention which allows for a decreased application rate and a cost savings. For additional information contact your Bit-Mat or K Tech sales representative.

Tests		AASHTO TEST METHOD	SPECIFICATIONS
<b>BM-90</b>			
Flash Point, °C, COC		D 92	600+
Absolute Viscosity, Poise	60°C	D 2171	500-1000
Water in Petroleum, %		D 95	0.0
Cut-Back Distillation, Distillate % by Vol. of Total		D 402	0.0
Distillation to 225°C		D 402	0.0
Distillation to 260°C		D 402	0.0
Distillation to 315°C		D 402	0.0
Distillation to 360°C		D 402	0.0
<b>Residue from Distillation to 360°C</b>			
Residue % Min.		D 402	100
Penetration (100 g, 5 sec.), dmm	25°C	D 5	125-250
Ductility (5 cm per min), cm	25°C	D 113	Report
Solubility in Trichloroethylene, %		D 2042	99.5
Softening Point, °C(°F)		D 36	Report

