



# PRODUCT DATA SHEET

## *Beram 190 Polymer Modified Hot Applied Joint Sealant*

### **DESCRIPTION**

**Beram 190 Polymer Modified** is a hot applied, single component joint and crack sealant. Beram 190 Polymer Modified is a blend of asphalts, virgin polymers and reinforcing fillers. Beram 190 Polymer Modified offers advanced low temperature bonding properties, prolonged resistance to degradation from weather and a positive seal during the expansion and contraction of the joint or crack.

### **RECOMMENDED USE**

**Beram 190 Polymer Modified** is recommended for the large scale sealing of joints and random cracks in Portland cement concrete, and asphaltic concrete pavements.

### **APPLICABLE SPECIFICATIONS**

Beram 190 Polymer Modified meets or exceeds:

- ASTM D-6690 TYPE I (Formerly ASTM D-1190)
- Federal Specification SS-S-164 and amendments
- AASHTO Modified M-173 or M-324 Type I
- Various State and Provincial D.O.T. specifications

### **APPLICATION TEMPERATURES**

- **Recommended Pouring Temperatures 185°C (365°F)**
- **Maximum Safe Heating Temperatures 210°C (410°F)**

### **APPLICATION GUIDELINES**

For detailed joint and crack preparation specific application instructions refer to specifying agency publications or contact manufacturer representative.

### **MELTING EQUIPMENT**

**Beram 190 Polymer Modified** must be melted in a double boiler, oil-jacketed kettle, equipped with mechanical agitator and separate temperature thermometers for both the oil bath and melting vat.

### **COVERAGE**

**Beram 190 Polymer Modified** weighs approximately 9.6 lbs./gal (1.15 kg/L). A joint ½ x ½ " (12.7 mm x 12.7 mm) requires approximately 12 lbs. per 100 lineal feet or 17.7 kgs per 100 lineal meters.

### **PACKAGING**

- 450 lb. (205 kg), open top drums containing 10 individual 50 lb. pucks
- 2 x 25 lb. polybags in a high strength corrugated cardboard container
- 50 lb. steel pails

# **BERAM 190 Polymer Modified**

## **HOT APPLIED JOINT SEALANT**

### **PHYSICAL PROPERTIES**

#### **ASTM D-6690 TYPE I FORMERLY ASTM D-1190**

<b>PROPERTIES</b>	<b>SPECIFICATIONS</b>	<b>TYPICAL RESULTS</b>
Penetration @ 25°C (77°F) 150g, 5 sec.	90 MAX	65
Flow @ 60°C (140°F)	5 MM MAX	2.0 MM
<b>ADDITIONAL PROPERTIES</b>		
Prolonged Heating ASTM D-3407 (after 8 hours @ pouring temp)	PASS ALL REQUIREMENTS	PASS
Resiliency (ASTM D-3407)	25 – 60%	50%
Asphalt Compatibility (ASTM D-3407)	PASS	PASS
Joint Bond OF (-18°C) 100% Extension	PASS 5 CYCLES	PASS

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