

**SEBS 890-12****Kettle Modified Rubberized Asphalt**

**Physical Properties:** Meets the requirements of ASTM D6152-99.

-Colour	Black	-Low Temp. Flex (ASTM D3111)	No cracks @ -10°C (14°F)
-Solids Content	100%	-Elastic Recovery (ASTM D412)	95% (Typical)
-Rate of Application	Varies on application	-Softening Point (ASTM D36)	90°C (194°F) (typical)
-Application Temp	May be applied at temperatures below freezing.	-Penetration @ 25°C (77°F) ASTM D5	40 (typical)
-Min. Service Temp	Minus 45°C (Minus 49°F)	-Flow (ASTM D1191)	3 mm (1/8") max.
-Pouring Temp	190°C (375°F) to 230°C (450°F)	-Flash Point	302°C (575°F)
-Kettle Temp	260°C (500°F) maximum agitate regularly		
-Setting Time	Immediately on cooling		
-Elongation	950% @ 23°C ± 2°C (73°F) (typical)		

**Description**

**SEBS 890-12** is a specially formulated rubberized asphalt for mopping application as the waterproofing in built-up roofing system, reinforced with fiberglass plies. The product is modified for melting in standard asphalt roofing kettles.

**Features**

- SEBS (Styrene-Ethylene-Butylene-Styrene) polymer modifier allows melting in standard roofing kettle
- Rubberized asphalt provides excellent low temperature flexibility over standard roofing asphalt
- Rubberized asphalt provides superior waterproofing qualities
- Used with high strength fiberglass plies to provide high strength rubberized BUR
- Melted product is similar to hot asphalt in handling properties therefore no special equipment is needed
- Superior performance with *modified***PLUS® Modified Bitumen**

**Uses**

**SEBS 890-12** Mop Grade is specially designed for use with fiberglass asphalt impregnated ply sheet such as **Type IV** and **Type VI**, in built-up roofing systems.

**SEBS 890-12** is also designed for use with *modified***PLUS® Modified Bitumen** systems as the interply mopping adhesive and as a superior hot mopped insulation adhesive.

The modified asphalt system can be used in new construction over suitable substrates and as a re-roofing system over existing built-up roofs.

**Preparation**

All surfaces must be reasonably smooth, rigid and free of large cracks, clean, dry and without sharp changes in elevation. The surface must be able to receive the roof system by adhesion with asphalt or by mechanical fastening. Surfaces **must** be designed to drain freely. Areas where water ponds for more than 24 hours are not acceptable.

**Suitable surfaces:** Nailable surfaces are wood boards or plywood (install dry sheathing prior to nailing). Non-nailable surfaces are poured-in-place and precast concrete and approved insulations. Approved insulations are fiberboard, fiberglass, and rock wool. Polystyrene, polyurethane, isocyanurate, and fiberglass overlaid with fiberboard are also acceptable.

## **SEBS 890-12 Kettle Modified Rubberized Asphalt**

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### **Application**

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Refer to **Bakor** Guide Specification on **SEBS 890-12** for detailed application information.

**Built-Up Roofing Systems:** Over prepared substrate and starting at the low point at right angles to the slope, embed 3 plies **Type IV** or **Type VI** ply sheet in hot **SEBS 890-12**. Mop plies at the rate of 1.25 kg/m<sup>2</sup> (25 lbs./100 ft<sup>2</sup>). Apply ply sheet in shingle fashion and extend to the top of cant strip. Apply ply sheet within 2 m (6') of mopped asphalt application to ensure adhesion of ply sheet. Fit plies into roof drain rims. Apply flashing sheet into **SEBS 890-12**, secure clamping collar and install caps.

**Flashings:** Install **990-26 Reinforced Flashing Sheet** or *modified***PLUS**<sup>®</sup> **NP250gM Cap Sheet** at all perimeter details, expansion joints and flashings into hot **SEBS 890-12**. Extend a minimum 150 mm (6") from toe of cant and up wall minimum 200 mm (8"). Use mechanical attachment upon terminating on vertical surfaces.

**Flood Coat:** 3 different types available.

**Gravel Surface:** Apply **SEBS 890-12** at the rate of 2.5 kg/m<sup>2</sup> (50 lbs./100 ft<sup>2</sup>) and embed gravel at 20 kg/m<sup>2</sup> (400 lbs./100 ft<sup>2</sup>) while membrane is still hot.

**Granule Surface:** Apply **SEBS 890-12** at 1.5 kg/m<sup>2</sup> (30 lbs./100 ft<sup>2</sup>). Embed #11 roofing granules at the rate of 3 kg/m<sup>2</sup> (60 lbs./100 ft<sup>2</sup>) while membrane is still hot.

**Aluminized Reflective Surface:** Apply **890-12** at the rate of 1.5 kg/m<sup>2</sup> (30 lbs./100 ft<sup>2</sup>) and install **Type IV** or **Type VI** ply sheet. Avoid overlapping and keep gap between sheets to a maximum of 6 mm (1/4"). Avoid bleed out of **SEBS 890-12** on top surface. If bleed out occurs heat and trowel thin prior to aluminizing. Sweep surface to remove any dirt and sand. Apply **860-09 Aluminum Roof Paint**, in two coats, at the rate of 6 m<sup>2</sup>/l (300 ft<sup>2</sup>/gal.) per coat.

### **Clean Up**

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Use mineral spirits or Xylol.

### **Caution**

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Harmful if swallowed.<>