

# TECHNICAL INFORMATION SHEET

## SEBS Mopping Asphalt

**Item Description**

50 lb. keg (32 kegs per pallet)

**Item Number**

W70RACAPSL

**Meets or exceeds performance requirements of ASTM D 6152.**

### Product Information

**Description:**

Firestone SEBS Mopping Asphalt is modified with SEBS (styrene-ethylene-butadiene-styrene) block copolymer to make it a premium choice for hot-mopped roof membrane applications. It is intended for use in Firestone Built-up Roofing systems as the primary waterproofing and as an interply adhesive. When used to adhere SBS modified bitumen roofing membranes, polyiso insulation and bituminous vapor barriers, it provides resistance to the stress forces which result from building movement associated with both wind events and temperature changes. SEBS is recommended as a durable adhesive for gravel attachments in place of oxidized asphalt.

SEBS rubber polymer is well-suited to roofing applications because of its performance over a wide range of temperatures. SEBS Mopping Asphalt has excellent elasticity, low temperature flexibility and toughness that conventional oxidized mopping asphalt lacks. SEBS Mopping Asphalt is flexible below 0 °F (-18 °C) and can be heated in standard direct-fired roofing kettles and applied using standard mopping techniques. It is formulated for the same slope requirement as steep asphalt.

**Method of Application:**

1. Use standard hot-mopping techniques.
2. Application temperature is 420 – 475 °F (215 – 246 °C).
3. Please see the Asphalt Systems Design and Application Guide at [www.firestonebpco.com](http://www.firestonebpco.com) for detailed information regarding the application of SEBS Mopping Asphalt.

**Acceptable Immediate Substrates for Hot Asphalt Application:**

- Structural Concrete (must be clean, dry, properly cured, and primed with ASTM D-41 primer).
- Existing Smooth Surface BUR or SBS Modified Bitumen (must be clean, smooth and primed with ASTM D-41 primer).
- FiberTop, DensDeck® Prime, SECUROCK® Gypsum Fiber.

**NOTE:** Please consult the Asphalt Systems Design and Application Guide online at [www.firestonebpco.com](http://www.firestonebpco.com) to review specific information regarding the type of deck and insulation in use.

**Storage:**

- Firestone SEBS Polymer Mopping Asphalt should be stored in the original packaging at a minimum of 40 °F (4 °C) and a maximum of 140 °F (60 °C).
- Materials shall be stored in a neat, safe manner so as not to exceed the allowable live load of the storage area.
- Materials shall be placed out of the weather in a clean, dry area. If materials must be stored temporarily on the roof before application, they must be kept elevated from the roof surface on a pallet, and covered from the weather with a light colored opaque tarp.
- Any materials damaged in handling or storage shall not be used.

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### Precautions:

- SEBS Mopping Asphalt must be heated to the proper application temperature prior to use.
- Follow all safety practices recommended by the National Roofing Contractors Association (NRCA) for working with hot asphaltic materials.
- Refer to the Safety Data Sheet (SDS) for additional information.

### LEED® Information:

Post-Consumer Recycled Content: 0%  
 Post Industrial Recycled Content: 0%  
 Manufacturing Location: Chandler, AZ  
 Allentown, PA  
 Halls, TN

\*NOTE: LEED® is a registered trademark of the U.S. Green Building Council.

### Typical Properties (Meets ASTM D6152. Tested in accordance with D5, D36, D92, D140, D312, D412, D1079, D2042, D3111)

Property	ASTM Standard Required Value	Firestone Typical Performance
Softening point, before and after heat exposure	185 – 275 °F (85 – 135 °C)	225 °F (107 °C)
Softening point change, before and after heat exposure	-9 to 9 °F (-5 to 5 °C)	3 °F (2 °C)
Flash point, min.	500 °F (260 °C)	520 °F (271 °C)
Penetration at 25 °C (77 °F), before and after heat exposure	20 – 60 units	45 units
Penetration change at 25 °C (77 °F), after heat exposure	-5 to 12 units	3 units
Solubility in trichloroethylene, min.	99%	99%
Tensile elongation at 25 °C (77 °F), min.	750%	1000%
Elastic recovery at 25 °C (77 °F), min.	80%	90%
Low temperature flexibility, max.	20 °F (-7 °C)	0 °F (-18 °C)

Please contact Firestone Technical Services at 1-800-428-4511 for further information.

*This sheet is meant to highlight Firestone products and specifications and is subject to change without notice. Firestone takes responsibility for furnishing quality materials which meet published Firestone product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Firestone nor its representatives practice architecture. Firestone offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Firestone accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Firestone representative is authorized to vary this disclaimer.*