

# *supercap*SBS®

**USAGE:** *supercap* SBS is used in a variety of applications. Whether it is a new or retrofit roof, *supercap* SBS provides superior surface membrane for all roof designs.

**STORAGE:** Material should be stored on end, in a dry location. Assure that materials are kept clean and away from excessive heat or cold; do not remove labels or tear off protective covering until ready for application; store in an enclosed area where temperatures are above 50° F and below 90° F. Material shall not be stored directly on the ground. Pallets should not be stored more than two high without protective bracing.

**DISCLAIMER:** This sheet is meant only to highlight MBTechnology's products and specifications. Information is subject to change without notice. MBTechnology takes responsibility for furnishing quality materials, which meet MBTechnology's published product specifications. As neither MBTechnology itself nor its representatives practice architecture, MBTechnology offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which its products may be applied. If questions arise as to the soundness of a structure, or its ability to support a planned installation properly, the Owner should obtain opinions of competent structural engineers before proceeding. MBTechnology accepts no liability for any structural failure or for resultant damages, and no MBTechnology Representative is authorized to vary this disclaimer.

- Offers a variety of lightweight economical SBS roof surfacing sheets.
- Can be installed over 2 or more layers of *layflat* SBS modified base/interply, which minimizes buckling, wrinkling and fishmouths associated with ordinary base sheet.
- Offers application flexibility with hot asphalt, cold adhesive as well as torch.
- Class A. Fire Rated on combustible deck with no need for gravel, rock, emulsion or insulation.
- Available in various colors

**DESCRIPTION:** *supercap* SBS is MBTechnology's most economical system consisting of a lightweight cap membrane *supercap* SBS and 2 or more layers of *layflat* SBS modified base sheet / interply.

*supercap* SBS is modified with SBS, a synthetic rubber. SBS modified membranes exhibit high multidirectional strength, excellent cold temperature flexibility, elongation and recall properties far superior to traditional asphalt roofing membranes. These outstanding properties provide *supercap* SBS with unusual resistance to "thermal shock" a major contributor to roof failure.

## **APPLICATION:**

### **SURFACE PREPARATION**

All decks must be firm, solid and free of sharp edges or depressions, free of moisture or effects of freezing, free of dust or debris and capable of supporting all anticipated deck loads.

## Slope Requirements

For slopes greater than ½" per foot; run all membranes Parallel to the incline. Fasten the cap membrane on the leading edge, using a staggered pattern 6" on center; side laps fastened 2" from edge 12" o.c. All fasteners should be mopped over with asphalt and lapped by the next cap sheet. Cut the membrane to length as follows:

½" – 2" per ft slope	17'
2" – 3" per ft slope	11'

## Hot Asphalt

Hot asphalt application of SBS membranes is similar to standard application of BUR cap membranes. Hot asphalt application is not recommended when ambient temperatures are below 50° F as asphalt temperatures can quickly drop below the minimum point of application temperature of 425° F. Residual moisture in the substrate and roofing materials can be trapped in the system and can cause blistering. Do not apply roofing during precipitation, or when decks are wet from water, snow or frost. Do not kick out rolls into hot asphalt.

MBTechnology requires the use of Type IVI asphalt. Please contact MBTechnology for application in extreme temperatures. Asphalt should never be heated above its flash point. The ideal application temperature is the EVT temperature printed on the package. A deviation of 25° F above or below EVT is acceptable. Apply asphalt at a rate of 25 lb. per square. Brooming is required to eliminate voids or air pockets. A ¼" extrusion of asphalt is required to assure seam integrity.

## Cold Adhesive

Cold adhesive or roofing cements should comply with ASTM D3019 Type III. Cold adhesives should be applied at ambient temperatures above 50° F. SBS modified bitumen adhesives are preferred over standard grade adhesives. Special precautions should be taken for application in cooler climates to insure even distribution of the adhesive. Avoid flames in presence of cold adhesive fumes. Adhesive must be applied in a smooth and even continuous layer without voids or breaks at a rate of 1-1/2 gallons per square as per manufacturer's recommendation. Excessive adhesive will damage the membrane. Do not apply more than one layer within a 15-hour period.

## Torch SC100WWH (Only)

Torch application is not approved when ambient temperature is below 45° F. Residual moisture in substrate and roofing materials can be trapped in the system and cause blistering. Do not apply roofing during precipitation, or when decks are wet from water, snow or frost.

SBS modified bitumen membranes are much more flexible than APP membranes. Overheating of the underside of the membrane will cause excessive softness on the topside and even cause the granule surface to run.

## TECHNICAL SERVICES

Latest copy of MBTechnology's specification manual must be referenced prior to any application. A comprehensive Specification Manual with isometric flashing details can be obtained through your approved distributor or calling toll free at 1-800-621-9281 Ext 12

## Technical Information-*supercap* SBS

Product Name	SC85GWH	SC100WWH (WH) *****	SC100GWH (WH)
Reinforcement	Fiberglass	High Tensile Fiberglass Scrim	Fiberglass
Usage	Cap Membrane	Cap Membrane	Cap Membrane
Top Surface*	White Granules*	White Granules*	White Granules*
Bottom Surface	Sand	PE Film	Sand
Application	Hot Asphalt, Cold Adhesive	Torch	Hot Asphalt, Cold Adhesive
Lap Lines	3.50" Selvedge Edge	3.50" Selvedge Edge	3.75" Selvedge Edge
Coverage	1 Sq	1 Sq	1 Sq
Weight Per Roll Lbs.	85	100	100

\*\*\*\*Special Run only.

188 South Teilman • Fresno, CA 93706-1334  
(800) 621-9281 • FAX (559) 233-4607  
[Hwww.mbtechnology.com/H](http://www.mbtechnology.com/H) •

