

# superflexSBS

“Systems Excellence”

**USAGE:** *superflex* SBS cap membranes are used in a variety of application as a top ply or as flashing detail. The *superflex* SBS-Premium 250 is used in applications where a high tensile material is required due to excessive thermal shock or deck movement. The glass-reinforced *superflex* is used for multiple applications generally with a minimum 60 lb. interplay layer. The smooth surfaced *superflex* SBS is used in extended warranted systems or as a cap sheet in coated systems.

**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 55° 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.

- *superflex* SBS products are reinforced with a heavy duty puncture and tear resistance polyester mat or with a dual mat of polyester and fiberglass.
- Fully modified with SBS for superior strength, flexibility and fatigue resistance.
- Application flexibility with hot asphalt and cold adhesive.
- Approved by Underwriters Lab, FM approvals, Metro Dade
- Available in various colors, with a 10-15-20 year warranty.

**DESCRIPTION:** *superflex* SBS cap membranes is reinforced with either a polyester mat for added puncture and tear resistance or with a dual reinforcement of polyester and fiberglass for high tensile requirement.

Product is modified with SBS, a synthetic rubber. These membranes have high multi-directional strength, excellent cold temperature flexibility, elongation and recall properties far superior to traditional asphalt roofing membranes. These outstanding properties provide *superflex* SBS with unusual resistance to “thermal shock” a major contributor to roof failure. *superflex* SBS Premium 250 has exceptional tear and puncture resistance and is recommended as flashing sheet for extended warranties.

## 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 1/2" 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:

1/2" – 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 temperature is below 50° F, as asphalt temperature can quickly drop below the minimum point-of-application membrane 425° 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. Do not kick out rolls into hot asphalt.

MBTechnology requires the use of Type IV 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 1/4" extrusion of asphalt is required to assure seam integrity.

**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.

**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.

**Technical Information - *superflex* SBS**

Product Name	SF160PWH (UL-FM-MD-FS) *****	SF160PWH Premium-250 *****	SF160CSA (UL-WH)	SF160PSA (UL-FM-WH-MD-FS)	SF155PWH
Modifier	SBS	SBS	SBS	SBS	SBS
Usage	Cap Membrane	Cap Membrane	Cap Membrane & Gravel	Interply Membrane	Cap Membrane
Reinforcement	Polyester &	Polyester 250 g/m <sup>2</sup>	Fiberglass, Polyester	Polyester	Polyester
Top Surface*	White Granules	White Granules	Sand	Sand	White Granules
Bottom Surface	Sand	Sand	Sand	Sand	Sand
Application Method	Hot Asphalt, Cold Adhesive	Hot Asphalt, Cold Adhesive	Hot, Asphalt, Cold Adhesive	Hot Asphalt, Cold Adhesive	Hot, Asphalt, Cold Adhesive
Salvaged Edge	3.75	3.75	3.75"	3.75"	3.75"
Coverage	1 Sq	1 Sq	1 Sq	1 Sq	1 Sq
Weight Per Roll Lbs.	100	107	90	90	95

\*\*\*\*\* Non-Stock special run only.



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