

*fire*guard **SBS**

“Reliability with Safety”

USAGE: *fireguard* SBS is used as a cap membrane in projects requiring the protection of a fire rated system.

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 more than one 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.

DESCRIPTION: *fireguard* SBS is our family of fire rated cap membranes. Roofing systems designed around a *fireguard* SBS cap membrane are rated by Underwriters Lab and Warnock Hersey as Class A fire rated system. *fireguard* SBS are modified with SBS, a synthetic rubber that provides a high multidirectional strength, excellent cold temperature flexibility, elongation and recall properties superior to traditional modified or non-modified systems. Such properties provide *fireguard* SBS with unusual resistance to “*thermal shock*”, a major contributor to roof failure.

- Underwriters, Warnock Hersey Class A rated membrane without need for gravel, rock or emulsion
- Choice of 2, 3, or 4 ply construction
- Option of hot asphalt, cold adhesive or heat weld application.
- Available in Various colors

APPLICATION: 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:

1/4” – 1 1/2” per ft slope	17’
1 1/2” – 2” per ft slope	11’

Roof decks shall provide positive drainage, and sloped to prevent ponding water. A minimum slope of 1/4” per foot is recommended by ARMA (Asphalt Roofing Manufacturers Association) and UBC (Uniform Building Code, Section 3207.A). Drains and outlets should be installed to remove water completely from the roof surface.

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.

Hot Asphalt Application

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.

Cold Adhesive Application

Cold adhesive application requires special precautions. Cold process application is NOT recommended when ambient temperature is below 50° F, as lap cure time can exceed 15 hours. Temperatures above 60° F are ideal for expediting lap cure time. Roofing should not be applied if precipitation is anticipated prior to completion of lap cure, or when water, snow or frost is present. Keep open flames of torches away from adhesive fumes. Keep roof traffic to a minimum for 7 days until the adhesive sets and system surface firms. Caution should be exercised by other trades to avoid damaging the membrane as they proceed with their work. Cold adhesives must be applied at a rate of 1 1/2 gallons per square. Excessive cold adhesive will damage the SBS membrane. Do not apply more than one layer within a 15-hour period.

Torch Application

Torch application is not approved when ambient temperature is below 50° 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 top side and even cause the granule surface to run. The factory applied burn off film on the underside of all MBTechnology's *fireguard* SBS grades will easily guide the applicator through a smooth application process. In all applications (except on the first layer of a two layered system on primed structural concrete decks) the membrane should be fully bonded to the deck.

WOOD, PLYWOOD, LIGHTWEIGHT CONCRETE, POURED CONCRETE AND INSULATION

Starting at low point on the roof, torch the modified SBS cap sheet perpendicular to the slope in a shingle fashion over applied base sheet, with a minimum 3" side laps and 6" end laps. A flow of about 1/4" bitumen must be obtained around all seams. Offset end laps a minimum of 36". For slopes of 1" -2" per lineal foot apply material parallel to the slope; back nail head laps 2" from the edge, 6" o.c. and side laps 8" o.c. All side laps must be staggered 18" between successive plies.

TECHNICAL SERVICES

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

WARRANTY

Application should be in strict adherence to MBTechnology's recent specification manual. Warranty is provided, subject to limitations. Duration of warranty is from 10 to 20 years, depending on the system being applied.

Technical Information-*fireguard* SBS

Product Name	FG90GWH (UL-FM-WH-MD-FS)	FG160CWH (UL-FM-WH-MD-FS)	FG160CWH **** SEBS/SBS (UL)	FG160PWH (UL-FS)
Modifier	SBS	SBS	SBS & SEBS	SBS
Usage	Cap Membrane	Cap Membrane	Cap Membrane	Cap Membrane
Top Surface*	White Granules	White Granules	White Granules	White Granules
Bottom Surface	Sand	Sand	Sand	Sand
Application	Cold Adhesive, Hot Asphalt	Cold Adhesive, Hot Asphalt	Cold Adhesive, Hot Asphalt	Cold Adhesive, Hot Asphalt
Reinforcement	Fiberglass	Fiberglass & Polyester	Fiberglass & Polyester	Polyester
Lap Lines	3.75" Selvedge	3.75" Selvedge	3.75" Selvedge	3.75" Selvedge
Coverage	1 Sq	1 Sq	1 Sq	1 Sq
Weight Per Roll Lbs.	90	110	110	105

**** Non Stock Item, Special run only.

Florida State Approved



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