

# *layflat***SBS**

**“The better base sheet”**

**USAGE:** *layflat* SBS is used in a variety of new or re-roofing projects incorporating MBTechnology's cap systems. The product can be used as an interply and also as a cap membrane in coated or gravel BUR systems. *layflat* SBS LF25 is required on all warranted projects specifying a base sheet.

**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 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:** *layflat* SBS is MBTechnology's family of base sheets modified with SBS, a synthetic rubber and reinforced with a tough non-woven fiberglass non woven spunbond polyester. The rubberized asphalt provides the membrane the ability to withstand buckling, wrinkling and fish mouths associated with application of ordinary base sheets.

The elevated performance properties of the SBS modified sheets form a superior waterproofing system.

- **Virtually no buckling, wrinkling or fishmouths associated with Type II asphalt base sheets.**
- **Minimizes asphalt migration**
- **Provides a smoother finish to the roof surface**
- **Offers a total SBS modified system.**
- **Used as base or interply in hot, cold or heat weld applications.**

#### **APPLICATION:**

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.

Keep application of hot asphalt to a nominal rate of 25 lb. per square and application of cold adhesives will be at a rate of 1.5 gallons per square.

*layflat* SBS is available in 3 different weights, 28 lb., 42 lb. and 65 lb.

## Wood, Plywood, Lightweight Concrete

On decks with slopes less than ½" per foot, base sheet must be applied in shingle fashion starting at the low point of the roof proceeding upwards. Base sheets shall be lapped 2" on the sides and 4" at the ends. On decks with slopes greater than ½" per foot; in addition to the above requirements the end laps shall also be staggered not less than 3' apart. Sheets will be nailed at 9" intervals along the edges. The second row of fasteners will be nailed 12" from the edge, 18" apart.

## Poured Concrete

Direct application to concrete is only allowed if concrete is over 2 years old and is dry. In such cases spot mop or spot weld (do not solid mop or torch directly to primed concrete) the base layer of the deck. Solid mopping or torching directly to primed concrete is not acceptable.

Prime the deck with an approved primer at the rate of 1 gallon per square. Spot mop one layer of *layflat* SBS Base. Spot mopping must be in uniform 9" circles applied at a rate of 15 lb. per square covering 35% - 65% of the deck area. On decks with slopes less than ½" per foot, base sheet must be applied in shingle fashion starting at the low point of the roof proceeding upwards. Base sheets shall be lapped 2" on the sides and 4" at the ends. On decks with slopes greater than ½" per foot; in addition to the above requirements the end laps shall also be staggered not less than 3' apart.

## Insulation

Install insulation per manufacturer's recommendation. Mop or cold apply the base layer of layflat SBS Base. On decks with slopes less than ½" per foot, base sheet must be applied in shingle fashion starting at the low point of the roof proceeding upwards. Base sheets shall be lapped 2" on the sides and 4" at the ends. On decks with slopes greater than ½" per foot; in addition to the above requirements the end lap shall also be staggered not less than 3' apart.

## Interply

Starting at the low point of the roof, install a 12" – 18" starter Modified SBS Base. Hot mop or cold apply all interply layers with a minimum 3" side lap and a 4" end lap. 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 is available through your approved distributor or calling toll free at 1-800-621-9281.

\*Application should be in strict adherence to MBTechnology's recent specification manual.

## Technical Information-*layflat* SBS

Product Name	LF25 (UL-FM-WH-MD-FS)	LF40 (UL-FM-WH-MD-FS)	LF50 (WH)	LF60 (UL-FM-WH-MD-FS)	LF60P **** (UL-FM-MD-FS)	LF60W **** (UL-WH)
Modifier	SBS	SBS	SBS	SBS	SBS	SBS
Usage	Base or interply	Base or interply	Base or interply	Base or interply	Base or interply	Base or interply
Top Surface	Sand	Sand	Sand	Sand	Sand	Sand
Bottom Surface	Sand	Sand	Sand	Sand	Sand	Sand
Application	Cold Adhesive, Hot Asphalt, Mechanical	Cold Adhesive, Hot Asphalt, Mechanical	Cold Adhesive, Hot Asphalt, Mechanical	Cold Adhesive Hot Asphalt	Cold Adhesive Hot Asphalt	Cold Adhesive, Hot Asphalt
Reinforcement	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Polyester	High Tensile F/G Scrim
Lap Lines	Lap line 2", 13", & 19"	Lap lines 2", 13" & 19"	Lap lines 2", 13" & 19"	Lap lines 3", 13" & 19"	Lap lines 3", 13" & 19"	Lap lines 3", 13" & 19"
Coverage	3 Sq	2 Sq	2 Sq	1.5 Sq	1.5 Sq	1.5 Sq
Weight-per Roll Lbs.	91	90	105	106	106	106

\*\*\*\* Non-stock item. Special run only.

**Florida State  
Approved**



188 South Teilman • Fresno, CA 93706-1334  
(800) 621-9281 • FAX (559) 233-4607

• [www.mbtechnology.com](http://www.mbtechnology.com) • [info@mbtechnology.com](mailto:info@mbtechnology.com)