



# MIGHTYFLEX SBS SINGLE-PLY MEMBRANE

## USER BENEFITS:

- **EXCEPTIONAL STRENGTH**
- **SUPERIOR FLEXIBILITY**
- **VERSATILE PROTECTION**
- **GRANULE SURFACED**
- **EASY TO APPLY AND MAINTAIN**

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE is a granule surfaced, premium SBS (Styrene-Butadiene-Styrene) membrane that can be hot mopped or cold applied. It is designed for use as a cap sheet in modified bitumen and built-up roof systems.

## MIGHTYFLEX SBS SINGLE-PLY MEMBRANE Exceptional Strength

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE begins with a tough and sturdy inner core. High performance spun bound polyester fabric combined with a fiberglass strand gives MIGHTYFLEX SBS SINGLE-PLY enhanced dimensional stability, high tear strength and puncture resistance. Premium quality asphaltic bitumen and SBS elastomers make MIGHTYFLEX SBS SINGLE-PLY MEMBRANE extremely tough and durable.

## MIGHTYFLEX SBS SINGLE-PLY MEMBRANE Superior Flexibility

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE demonstrates outstanding flexibility in a wide range of climate conditions. Low temperature flexibility is measured at -13°F (-25°C) and high temperature stability is 250°F (120°C).

## MIGHTYFLEX SBS SINGLE-PLY MEMBRANE Versatile Protection

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE is designed for use as a cap sheet in modified bitumen



and built-up roof systems. It can be mopped onto an existing roof using compatible hot asphalt, or is easily adhered using MIGHTYFLEX SBS Cold Process Adhesive and MIGHTYFLEX Flashing Cement. MIGHTYFLEX SBS SINGLE-PLY MEMBRANE can also be recommended for new construction applications.

## MIGHTYFLEX SBS SINGLE-PLY MEMBRANE Granule Surfaced

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE is manufactured with white granules embedded directly into its surface to provide superior reflectivity. These high quality reflective granules not only promote energy efficiency, they also help protect the membrane from UV degradation and deterioration by the elements.

## MIGHTYFLEX SBS SINGLE-PLY MEMBRANE Easy To Apply And Maintain

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE can be mopped into place using compatible hot asphalt, eliminating the need for an open-flame torch on the roof. Alternatively, to avoid the use of a hot kettle, MIGHTYFLEX SBS SINGLE-PLY MEMBRANE can easily be adhered to a properly prepared substrate using MIGHTYFLEX SBS Cold Process Adhesive and MIGHTYFLEX SBS Flashing Cement.

# MIGHTYFLEX SBS SINGLE-PLY MEMBRANE

## Application Instructions:

### 1. Properly Prepared Substrate:

Remove and replace existing roof deck, insulation, recovery board and base sheet if necessary. Surface must be sound and free from oil and grease, rock and other debris. Make sure base sheet is correctly attached and secure. All blisters, wrinkles, etc. must be cut open and repaired in order to provide a smooth surface.

### 2. MIGHTYFLEX SBS Membrane Rolls:

Cut rolls into 12-18 foot lengths. Place upside-down and allow them to relax.

### 3. Adhesive:

Apply compatible hot asphalt uniformly at a rate of 25 lb/100 sq. ft. Or - - apply MIGHTYFLEX SBS Cold Process Adhesive at a rate of 1½ to 2 gallons

per 100 sq. ft. with a brush or notched rubber squeegee (thickness should be approximately 1/8 inch). Pour a 4 inch ribbon along the work area, starting at least 12 inches from the low edge of the application area. Spread evenly with no gaps or bubbles. Allow adhesive to "tack-off" before embedding the membrane (10-15 minutes, depending on temperature and humidity.)

### 4. Embedding The Membrane

Reroll membrane sections and unroll them into the adhesive. Pay close attention to alignment and overlap. It is difficult to reposition rolls once in place. There should be a 3/8 inch outflow at all sides and end laps. Dry laps are not acceptable. Any dry laps that occur must be lifted and sealed with MIGHTYFLEX Flashing Cement or heat welded with a hot air welder. It is recommended that all seams and laps be rolled with a steel roller.

## SPECIFICATIONS

### MIGHTYFLEX SBS SINGLE-PLY MEMBRANE

Product Code: #2875

Application Method:

MIGHTYFLEX SBS SINGLE-PLY MEMBRANE is applied using compatible hot asphalt or MIGHTYFLEX SBS Cold Adhesive.

Thickness:

4 mm (157 mils)

Weight:

105 lbs/roll (48 kg/m<sup>2</sup>)

Roll Dimensions:

39<sup>3</sup>/<sub>8</sub>" x 32'9" (1m x 10m). Each roll is approximately 107.6 sq. ft.

#### Physical Properties (ASTM D 5147):

#### Test Results

#### ASTM D 6162 Minimum

Tensile Strength, 0°F, (MD/XMD)

115 lbf/in

75 lbf/in

Tensile Strength, 73°F, (MD/XMD)

85 lbf/in

75 lbf/in

Elongation (Max Load), 0°F, (MD/XMD)

50%

1%

Elongation (Max Load), 73°F, (MD/XMD)

60%

2%

Tear Strength, (MD/XMD), 73°F, minimum

95 lbf

65 lbf

Low Temperature Flexibility, (°F), maximum

-13°F (-25°C)

0°F

Dimensional Stability, %, maximum

<0.5%

0.5%

High Temperature Stability, (°F)

250°F (120°C)

225°F

Granule Embedment, g, maximum

<2 g

<2 g

All values given are approximate and are subject to change without notice. There is no implied or express warranty given through these values or statements, nor are there any assertions that the product purchased has been individually tested to conform to these standards. Testing is performed on a random basis by "in-house" and independent "third party" evaluation for the purpose of classification and or approval. Acceptance, purchase and selection of this product is the sole responsibility of the buyer or buyer's representative.

Handling Information: For safe handling of the product, read the Safety Data Sheet (SDS).

*Protective Coatings Division*

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