

# SOPRALENE<sup>®</sup> STICK

Self-Adhered SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10521 - REV 230608

## PRODUCT NUMBERS:

- 00153 - 49.2 ft x 39.4 in (15.0 x 1.0 m) - Roll

## DESCRIPTION & FEATURES:

**SOPRALENE STICK** is a self-adhered SBS-modified bitumen membrane approved for use in roofing assemblies. **SOPRALENE STICK** is reinforced with a tough, dimensionally stable non-woven polyester mat that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- Specially formulated high-tack adhesive forms an immediate long-lasting bond to a variety of substrates
- Sanded-surfacing improves bonding strength between system layers
- Polyester reinforcement provides superior tear strength and puncture resistance
- Meets or exceeds requirements of ASTM D6164, Type I, Grade S

## USES:

**SOPRALENE STICK** is used as a component in the following systems.

| USE               | OVERLYING MATERIAL                               |
|-------------------|--|
| Field Base Ply    | Cold-Applied Modified Bitumen <sup>1</sup>       |
|                   | Self-Adhered Modified Bitumen <sup>1</sup>       |
|                   | Adhered PVC (fleece-back) <sup>2</sup>           |
|                   | Liquid-Applied PMMA/PMA                          |
| Flashing Base Ply | Cold-Applied Modified Bitumen <sup>1</sup>       |
|                   | Self-Adhered Modified Bitumen <sup>1</sup>       |
|                   | Liquid-Applied PMMA/PMA                          |
|                   | Liquid-Applied Polyurethane-Bitumen <sup>1</sup> |
| Vapor Retarder    | Rigid Insulation <sup>3</sup>                    |
|                   | Lightweight Concrete <sup>3</sup>                |

<sup>1</sup> Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual

<sup>2</sup> Refer to SOPREMA's PVC/SBS Hybrid Membrane Roofing Technical Manual

<sup>3</sup> Refer to SOPREMA's Vapor Retarder Technical Manual, Low-Slope Roofing

## APPLICATION:



SELF  
ADHERED

Prior to installation, unroll **SOPRALENE STICK** onto the roof surface and allow to relax. Place **SOPRALENE STICK** in desired position. Remove the protective release film from the underside of the sheet and roll **SOPRALENE STICK** into place with a weighted roller.

Refer to the SOPREMA SBS-Modified Bitumen Membrane Roofing Technical Manual for complete application guidelines.

## STORAGE:

Store rolls in an upright position to prevent damage, do not double stack pallets. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. Storage temperature range should be between 55°F (12.8°C) and 80°F (26.7°C). For prolonged storage please store indoors at recommended temperatures. Approximate shelf life is 12 months from date of manufacturing when properly stored.

## LIMITATIONS:

Adequate surface preparation is the key to proper adhesion. Ensure all substrates are clean, dry and receive the specified self-adhesive primer.

Ambient and surface temperatures must be between 40°F (4°C) and below 110°F (43°C). Do not attempt application if ice, snow, moisture or dew are present. Temperatures should be a minimum of 5 degrees above the dew point.

Not intended to perform under ponding water conditions. Positive drainage required.

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## TECHNICAL INFORMATION & TESTING:

### SHEET PROPERTIES

| PROPERTY                      | VALUE   |
|-------------------------------|---|
| <b>Elastomeric bitumen</b>    | Proprietary blend of bitumen and SBS polymers |
| <b>ASTM Standard</b>          | D6164, Type I, Grade S                        |
| <b>Reinforcement</b>          | Non-woven polyester                           |
| <b>Top surfacing</b>          | Sanded  |
| <b>Back surfacing</b>         | Self-adhered with release film                |
| <b>Selvage surfacing</b>      | Self-adhered with release film                |
| <b>Selvage width, in (mm)</b> | 3 (76)  |

### DIMENSIONS & MASS

| PROPERTY   | VALUE         | ASTM TEST METHOD |
|--|---------------|------------------|
| <b>Length, ft (m)</b>  | 49.2 (15.0)   | D5147            |
| <b>Width, in (m)</b>   | 39.4 (1.0)    | D5147            |
| <b>Coverage,* ft<sup>2</sup> (m<sup>2</sup>)</b>                       | 147.6 (13.7)  | D5147            |
| <b>Roll weight, lb (kg)</b>  | 111 (50.3)    | D5147            |
| <b>Rolls per pallet</b>  | 20            | D5147            |
| <b>Pallet weight, lb (kg)</b>  | 2,270 (1,029) | D5147            |
| <b>Thickness (minimum), mils (mm)</b>                                  | 98 (2.5)      | D5147            |
| <b>Thickness (nominal), mils (mm)</b>                                  | 106 (2.7)     | D5147            |
| <b>Net mass per unit area, lb/100 ft<sup>2</sup> (g/m<sup>2</sup>)</b> | 63 (3,098)    | D5147            |
| <b>Bottom coating thickness, mils (mm)</b>                             | ≥ 40 (1.0)    | D5147            |
| <b>Shelf life, months</b>  | 12            | D5147            |

\*Coverage rate as reported assumes installation using side and end lap recommendations.

### PHYSICAL PROPERTIES

| PROPERTY  | MD         | XMD       | ASTM TEST METHOD |
|---|------------|-----------|------------------|
| <b>Peak load @ 0°F (-18°C), lbf/in (kN/m)</b>     | 110 (19.3) | 85 (14.9) | D5147            |
| <b>Elongation at peak load @ 0°F (-18°C), %</b>   | 35         | 40        | D5147            |
| <b>Peak load @ 73.4°F (23°C), lbf/in (kN/m)</b>   | 85 (14.9)  | 65 (11.4) | D5147            |
| <b>Elongation at peak load @ 73.4°F (23°C), %</b> | 55         | 60        | D5147            |
| <b>Ultimate Elongation @ 73.4°F (23°C), %</b>     | 60         | 65        | D5147            |
| <b>Tear strength @ 73.4°F (23°C), lbf (N)</b>     | 125 (556)  | 85 (378)  | D5147            |
| <b>Low temperature flexibility, °F (°C)</b>       | -15 (-26)  | -15 (-26) | D5147            |
| <b>Dimensional stability, %</b>                   | < 0.5      | < 0.5     | D5147            |
| <b>Compound stability, °F (°C)</b>                | 240 (116)  | 240 (116) | D5147            |

Data is represented by average values, unless noted otherwise.

## TESTING & APPROVALS:



FLORIDA BUILDING CODE



## WARRANTY:

Please refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact us at 800.356.3521 for more information.