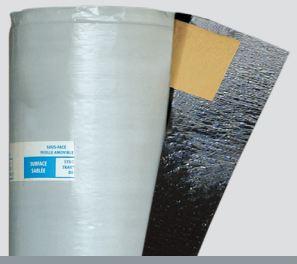
ELASTOPHENE® FLAM STICK

Self-Adhered SBS-Modified Bitumen Membrane



PRODUCT DATA SHEET PDS10198 - REV 230608

APPLICATIONS

ROOFING

PRODUCT NUMBERS:

- 00570 - **49.2 ft x 39.4 in (15.0 x 1.0 m) - Roll**

DESCRIPTION & FEATURES:

ELASTOPHENE FLAM STICK is a self-adhered SBS-modified bitumen membrane approved for use in roofing assemblies as a base ply. **ELASTOPHENE FLAM STICK** is reinforced with a glass fiber 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
- Surfaced with polyolefin burn-off film to optimize heat welding of subsequent modified bitumen membranes
- Reinforced with a glass fiber mat that increases the membrane's strength and durability
- Meets or exceeds requirements of ASTM D6163, Type I, Grade S

USES:

ELASTOPHENE FLAM STICK is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Base Ply	Heat-Welded Modified Bitumen[1]

[1] Refer to SOPREMA's SBS-Modified Bitumen Roofing Membrane Technical Manual

APPLICATION:

SELF ADHERED

Prior to installation, unroll **ELASTOPHENE FLAM STICK** onto the roof surface and allow to relax. Place **ELASTOPHENE FLAM STICK** in desired position. Remove the protective release film from the underside of the sheet and roll. **ELASTOPHENE FLAM STICK** into place with a weighted roller. Subsequent approved inter-ply or cap ply membranes are applied to **ELASTOPHENE FLAM STICK** via heat welding.

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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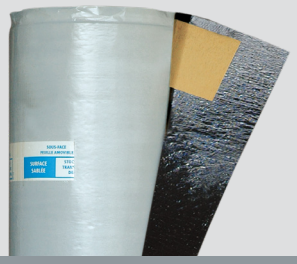

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APPLICATIONS

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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	**VALUE**
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6163, Type I, Grade S
Reinforcement	Glass fiber
Top surfacing	Polyolefin film
Back surfacing	Self-adhered with release film
Selvage surfacing	Self-adhered with release film
Selvage width, in (mm)	3 (76)

DIMENSIONS & MASS		
PROPERTY	**VALUE**	**ASTM TEST METHOD**
Length, ft (m)	49.2 (15.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft² (m²)	147.6 (13.7)	D5147
Roll weight, lb (kg)	75 (34)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,300 (1,043)	D5147
Thickness (minimum), mils (mm)	79 (2.0)	D5147
Thickness (nominal), mils (mm)	87 (2.2)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	46 (2,257)	D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	D5147
Shelf life, months	12	D5147

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

PHYSICAL PROPERTIES			
PROPERTY	**MD**	**XMD**	**ASTM TEST METHOD**
Peak load @ 0°F (-18°C), lbf/in (kN/m)	100 (17.6)	90 (15.8)	D5147
Elongation at peak load @ 0°F (-18°C), %	4	4	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	50 (8.8)	40 (7.0)	D5147
Elongation at peak load @ 73.4°F (23°C), %	5	4	D5147
Ultimate Elongation @ 73.4°F (23°C), %	45	45	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	60 (267)	60 (267)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.1	< 0.1	D5147
Compound stability, °F (°C)	250 (121)	250 (121)	D5147

Data is represented by average values, unless noted otherwise.

TESTING & APPROVALS:

FM APPROVED

CLASSIFIED UL

FLORIDA BUILDING CODE

LA DBS DEPARTMENT OF BUILDING AND SAFETY

LARR # 26062

WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.

SOPREMA®