

# ELASTOPHENE® FLAM HS

High-Strength, Heat-Welded SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10275 - REV 230607

## PRODUCT NUMBERS:

- 00399 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll

## DESCRIPTION & FEATURES:

**ELASTOPHENE FLAM HS** (high-strength) is a SBS-modified bitumen membrane approved for use in roofing assemblies as a base ply. **ELASTOPHENE FLAM HS** is reinforced with a polyester/glass fiber composite that is saturated and coated on both sides with a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen.

- SBS rubber polymer enhances the asphalt blend adding elongation, elasticity and flexibility to the sheet
- Reinforced with a glass scrim that increases the membrane's strength and durability
- Surfaced and backed with a polyolefin burn-off film to optimize heat welding
- Meets or exceeds requirements of ASTM D6162, Type III, Grade S

## USES:

**ELASTOPHENE FLAM HS** is used as a component in the following systems:

USE	OVERLYING MATERIAL
Field Base Ply	Heat-Welded Modified Bitumen <sup>1</sup>

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

## APPLICATION:



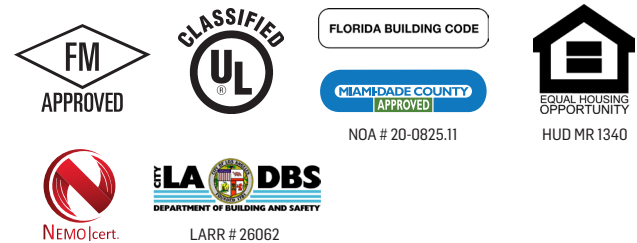
Prior to installation, unroll **ELASTOPHENE FLAM HS** onto the roof surface and allow to relax. Position **ELASTOPHENE FLAM HS** in desired position and back roll the product. **ELASTOPHENE FLAM HS** is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to **ELASTOPHENE FLAM HS** 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. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

## TESTING & APPROVALS:



## WARRANTY:

For more information refer to [www.SOPREMA.us](http://www.SOPREMA.us) or contact your SOPREMA representative.



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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>	D6162, Type III, Grade S
<b>Reinforcement</b>	Composite polyester/glass fiber
<b>Top surfacing</b>	Polyolefin film
<b>Back surfacing</b>	Polyolefin film

### DIMENSIONS & MASS

PROPERTY	VALUE	ASTM TEST METHOD
<b>Length</b> , ft (m)	32.8 (10.0)	D5147
<b>Width</b> , in (m)	39.4 (1.0)	D5147
<b>Coverage</b> ,* ft <sup>2</sup> (m <sup>2</sup> )	97.9 (9.1)	D5147
<b>Roll weight</b> ; lb (kg)	79 (35.8)	D5147
<b>Rolls per pallet</b>	30	D5147
<b>Pallet weight</b> ; lb (kg)	2,420 (1,097)	D5147
<b>Thickness (minimum)</b> , mils (mm)	110 (2.8)	D5147
<b>Thickness (nominal)</b> , mils (mm)	118 (3.0)	D5147
<b>Net mass per unit area</b> , lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	75 (3,661.8)	D5147
<b>Bottom coating thickness</b> , mils (mm)	≥ 40 (1.0)	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)</b> , lbf/in (kN/m)	650 (113.8)	450 (78.8)	D5147
<b>Elongation at peak load @ 0°F (-18°C)</b> , %	8	8	D5147
<b>Peak load @ 73.4°F (23°C)</b> , lbf/in (kN/m)	550 (96.3)	400 (70.1)	D5147
<b>Elongation at peak load @ 73.4°F</b> , %	14	14	D5147
<b>Ultimate Elongation @ 73.4°F (23°C)</b> , %	30	30	D5147
<b>Tear strength @ 73.4°F (23°C)</b> , lbf (N)	1,000 (4,448.2)	725 (3,225.0)	D5147
<b>Low temperature flexibility</b> , °F (°C)	-15 (-26)	-15 (-26)	D5147
<b>Dimensional stability</b> , %	< 0.5	< 0.5	D5147
<b>Compound stability</b> , °F (°C)	240 (116)	240 (116)	D5147

Data is represented by average values, unless noted otherwise.