ELASTOPHENE® FLAM HS

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

PRODUCT DATA SHEET PDS10275 - REV 230106

APPLICATIONS

ROOFING

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[1]

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

APPLICATION:

HEAT WELDED

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:

FM APPROVED

CLASSIFIED UL

FLORIDA BUILDING CODE

MIAMI-DADE COUNTY APPROVED

NOA # 20-0825.11

EQUAL HOUSING OPPORTUNITY

HUD MR 1340

NEMO|cert.

LA DBS DEPARTMENT OF BUILDING AND SAFETY

LARR # 26062

WARRANTY:

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

SOPREMA®

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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	**VALUE**
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6162, Type III, Grade S
Reinforcement	Composite polyester/glass fiber
Top surfacing	Polyolefin film
Back surfacing	Polyolefin film

DIMENSIONS & MASS		
PROPERTY	**VALUE**	**ASTM TEST METHOD**
Length, ft (m)	32.8 (10.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft² (m²)	97.9 (9.1)	D5147
Roll weight; lb (kg)	75 (34.0)	D5147
Rolls per pallet	30	D5147
Pallet weight; lb (kg)	2,250 (1,020)	D5147
Thickness, mils (mm)	118 (3.0)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	75 (3,661.8)	D5147
Bottom coating thickness, 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**
Peak load @ 0°F (-18°C), lbf/in (kN/m)	650 (113.8)	450 (78.8)	D5147
Elongation at peak load @ 0°F (-18°C), %	8	8	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	550 (96.3)	400 (70.1)	D5147
Elongation at peak load @ 73.4°F, %	14	14	D5147
Ultimate Elongation @ 73.4°F (23°C), %	30	30	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	1,000 (4,448.2)	725 (3,225.0)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.5	< 0.5	D5147
Compound stability, °F (°C)	240 (116)	240 (116)	D5147

Data is represented by average values, unless noted otherwise.