

ELASTOPHENE[®] FLAM HS

High-Strength SBS-Modified Bitumen Base Ply

PRODUCT DATA SHEET PD10275 - REV.220321



APPLICATIONS

ROOFS

QUICK FACTS:

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE** (ft ²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6162 Type 3, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m ²)	118 (3.0 mm)	75 (34.0 kg)	30 (2250 lbs/1,020 kg)

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

DESCRIPTION & FEATURES:

ELASTOPHENE FLAM HS (high strength) is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. **ELASTOPHENE FLAM HS** is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with tough, dimensionally stable composite polyester/glass fiber reinforcement. The topside and underside are surfaced with polyolefin burn-off film to optimize heat welding.

STORAGE & HANDLING:

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean, dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of **ELASTOPHENE FLAM HS**.

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 Roofing Manual for additional application guidelines.

PRODUCT NUMBERS:

- 00399 - FLAM HS

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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES

Reinforcement	Composite polyester/glass fiber
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Polyolefin film
Back surfacing	Polyolefin film
Selvage surface	Polyolefin film
Selvage width, in (mm)	3 (76)
End lap, in (mm)	6 (152)

DIMENSIONS & MASS

PROPERTY		TEST METHOD
Thickness, mils (mm)	118 (3.0)	ASTM D5147
Net mass per unit area, lb/100 ft ² (g/m ²)	75 (3661.8)	ASTM D5147

PHYSICAL PROPERTIES

PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	650 (113.8)	450 (78.8)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	8	8	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	550 (96.3)	400 (70.1)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	14	14	ASTM D5147
Ultimate Elongation @ 73.4°F (23°C), %	30	30	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	1000 (4448.2)	725 (3225.0)	ASTM D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147
Dimensional stability, %	< 0.5	< 0.5	ASTM D5147
Compound stability, °F (°C)	240 (116)	240 (116)	ASTM D5147

Data is represented by average values, unless noted otherwise.

TESTING & APPROVALS:

