ELASTOPHENE® FLAM HR 2.2

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

PRODUCT DATA SHEET PDS10027 - REV 230109

APPLICATIONS

ROOFING

PRODUCT NUMBERS:

- 00266 - **49.2 ft x 39.4 in (15.0 x 1.0 m) - Roll**

DESCRIPTION & FEATURES:

ELASTOPHENE FLAM HR 2.2 (high-resistance) is a SBS-modified bitumen membrane approved for use in roofing assemblies as a base ply. **ELASTOPHENE FLAM HR 2.2** is reinforced with a glass scrim 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 D6163, Type II, Grade S

USES:

ELASTOPHENE FLAM HR 2.2 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 HR 2.2**onto the roof surface and allow to relax. Position **ELASTOPHENE FLAM HR 2.2** in desired position and back roll the product. **ELASTOPHENE FLAM HR 2.2** is then heat welded to approved substrates.

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

EQUAL HOUSING OPPORTUNITY
HUD MR 1340

LA DBS DEPARTMENT OF BUILDING AND SAFETY
LARR # 26062

WARRANTY:

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

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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES	
PROPERTY	**VALUE**
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
ASTM Standard	D6163, Type II, Grade S
Reinforcement	Glass scrim
Top surfacing	Polyolefin film
Back surfacing	Polyolefin film

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)	88 (39.9)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,690 (1,220)	D5147
Thickness, mils (mm)	87 (2.2)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	55 (2,706)	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)	185 (32.5)	165 (28.9)	D5147
Elongation at peak load @ 0°F (-18°C), %	6	6	D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	110 (19.4)	105 (18.5)	D5147
Elongation at peak load @ 73.4°F (23°C), %	10	10	D5147
Ultimate Elongation @ 73.4°F (23°C), %	60	45	D5147
Tear strength @ 73.4°F (23°C), lbf (N)	180 (801)	190 (845)	D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	D5147
Dimensional stability, %	< 0.1	< 0.1	D5147
Compound stability, °F (°C)	240 (116)	240 (116)	D5147

Data is represented by average values, unless noted otherwise.