

ELASTOPHENE®

FLAM HR 2.2

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PRODUCT # 00266

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

ELASTOPHENE Flam HR 2.2 (high resistance) is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. ELASTOPHENE Flam HR 2.2 is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with high performance glass scrim. 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 HR 2.2.

APPLICATION

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. Subsequent approved inter-ply or cap ply membranes are applied to ELASTOPHENE Flam HR 2.2 via heat welding. Refer to the SOPREMA SBS Roofing Manual for additional application guidelines.



APPLICATION



HEAT-WELDED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft ²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6163 Type 2, Grade S	49.2 (15.0 m)	39.4 (1.0 m)	147.6 (13.7 m ²)	87 (2.2 mm)	88 (39.9 kg)	30 (2,690 lbs/ 1,220 kg)

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



SOPREMA®

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TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Glass grid
Elastomeric bitumen	Selected 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)	87 (2.2)	ASTM D5147
Net mass per unit area, lb/100ft ² (g/m ²)	55 (2706)	ASTM D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	ASTM D5147

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	185 (32.5)	165 (28.9)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	6	6	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	110 (19.4)	105 (18.5)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	10	10	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	60	45	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	180 (801)	190 (845)	ASTM D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147
Dimensional stability, %	< 0.1	< 0.1	ASTM D5147
Compound stability, °F (°C)	240 (116)	240 (116)	ASTM D5147

* Data is represented by average values, unless noted otherwise.

TESTING & APPROVALS

