

SOPRALENE® FLAM 250

Heat-Welded SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10004 - REV 230607

PRODUCT NUMBERS:

- 00434 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

SOPRALENE FLAM 250 is a SBS-modified bitumen membrane approved for use in roofing assemblies. **SOPRALENE FLAM 250** is reinforced with a tough, dimensionally stable non-woven polyester mat 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 non-woven polyester mat that increases the membrane's strength and puncture resistance
- Surfaced and backed with a polyolefin burn-off film to optimize heat welding
- Meets or exceeds requirements of ASTM D6164, Type II, Grade S

USES:

SOPRALENE FLAM 250 is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Base Ply	Heat-Welded Modified Bitumen ¹
Flashing Base Ply	Heat-Welded Modified Bitumen ¹

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

APPLICATION:



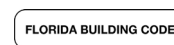
Prior to installation, unroll **SOPRALENE FLAM 250** onto the roof surface and allow to relax. Position **SOPRALENE FLAM 250** in desired position and back roll the product. **SOPRALENE FLAM 250** is then heat welded to approved substrates.

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:



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	D6164, Type II, Grade S
Reinforcement	Non-woven polyester
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 ,* ft ² (m ²)	97.9 (9.1)	D5147
Roll weight , lb (kg)	110 (49.7)	D5147
Rolls per pallet	25	D5147
Pallet weight , lb (kg)	2,800 (1,265)	D5147
Thickness (minimum) , mils (mm)	150 (3.8)	D5147
Thickness (nominal) , mils (mm)	157 (4.0)	D5147
Net mass per unit area , lb/100 ft ² (g/m ²)	99 (4,834)	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)	160 (28.0)	110 (19.3)	D5147
Elongation at peak load @ 0°F (-18°C) , %	30	35	D5147
Peak load @ 73.4°F (23°C) , lbf/in (kN/m)	135 (23.6)	100 (17.5)	D5147
Elongation at peak load @ 73.4°F (23°C) , %	55	60	D5147
Ultimate Elongation @ 73.4°F (23°C) , %	70	80	D5147
Tear strength @ 73.4°F (23°C) , lbf (N)	165 (734)	120 (534)	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.