

SOPRALENE® FLAM 180

Heat-Welded SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10002 - REV 230607

PRODUCT NUMBERS:

- 00410 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

SOPRALENE FLAM 180 is a SBS-modified bitumen membrane approved for use in roofing assemblies. **SOPRALENE FLAM 180** 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 I, Grade S

USES:

SOPRALENE FLAM 180 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:



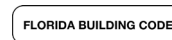
Prior to installation, unroll **SOPRALENE FLAM 180** onto the roof surface and allow to relax. Position **SOPRALENE FLAM 180** in desired position and back roll the product. **SOPRALENE FLAM 180** is then heat welded to approved substrates.

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:



NOA # 20-0825.11



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 I, 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)	86 (39.1)	D5147
Rolls per pallet	30	D5147
Pallet weight , lb (kg)	2,630 (1,196)	D5147
Thickness (minimum) , mils (mm)	110 (2.8)	D5147
Thickness (nominal) , mils (mm)	118 (3.0)	D5147
Net mass per unit area , lb/100 ft ² (g/m ²)	75 (3.662)	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)	115 (20.1)	90 (15.8)	D5147
Elongation at peak load @ 0°F (-18°C) , %	35	40	D5147
Peak load @ 73.4°F (23°C) , lbf/in (kN/m)	85 (14.9)	65 (11.4)	D5147
Elongation at peak load @ 73.4°F (23°C) , %	55	60	D5147
Ultimate Elongation @ 73.4°F (23°C) , %	65	80	D5147
Tear strength @ 73.4°F (23°C) , lbf (N)	125 (556)	85 (378)	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.