

SOPRALENE® 180 PS 2.2

SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10451 - REV 230110

PRODUCT NUMBERS:

- 00569 - 49.2 ft x 39.4 in (15.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

SOPRALENE 180 PS 2.2 (polyolefin, sanded) is a SBS-modified bitumen membrane used in roofing assemblies.

SOPRALENE 180 PS 2.2 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 with a polyolefin burn-off film to optimize heat welding
- Sanded-backside surfacing improves bonding strength between system layers
- Meets or exceeds requirements of ASTM D6164, Type I, Grade S

USES:

SOPRALENE 180 PS 2.2 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:



COLD
ADHESIVE



HOT
ASPHALT

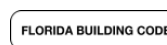
Prior to installation, unroll **SOPRALENE 180 PS 2.2** onto the roof surface and allow to relax. Place **SOPRALENE 180 PS 2.2** in desired position and back roll the product. Apply approved cold adhesive or hot asphalt following the manufacturer specifications. **SOPRALENE 180 PS 2.2** is then placed into the cold adhesive or hot asphalt and rolled with a weighted roller to ensure adhesion. Subsequent approved inter-ply or cap ply membranes are applied to **SOPRALENE 180 PS 2.2** via heat welding.

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



HUD MR 1340

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	Sanded
Selvage surfacing	Sanded
Selvage width, in (mm)	3 (76)

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)	91 (2.3)	D5147
Thickness @ selvage, mils (mm)	79 (2.0)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	54.5 (2,661)	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)	110 (19.3)	85 (14.9)	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), %	60	65	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.