

SOPRALENE® 180 PS 2.2

SBS-Modified Bitumen Membrane

PRODUCT DATA SHEET PDS10451 - REV 230607



APPLICATIONS

ROOFING

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,* ft ² (m ²)	147.6 (13.7)	D5147
Roll weight, lb (kg)	93 (42.2)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,840 (1,289)	D5147
Thickness (minimum), mils (mm)	83 (2.1)	D5147
Thickness (nominal), mils (mm)	91 (2.3)	D5147
Net mass per unit area, lb/100 ft ² (g/m ²)	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.