

SOPRALENE® 180 SP 3.5

Heat-welded, Sanded-Surfaced SBS-Modified Bitumen Membrane



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PDS10045 - REV 230607

PRODUCT NUMBERS:

- 00621 - 32.8 ft x 39.4 in (10.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

SOPRALENE 180 SP 3.5 (sanded, polyolefin) is a SBS-modified bitumen membrane approved for use in roofing assemblies. **SOPRALENE 180 SP 3.5** 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
- Sanded-surfacing improves bonding strength between system layers
- Underside is surfaced with a polyolefin burn-off film to optimize heat welding
- Meets or exceeds requirements of ASTM D6164, Type I, Grade S

USES:

SOPRALENE 180 SP 3.0 is used as a component in the following systems.

USE	OVERLYING MATERIAL
Field Base Ply	Cold-Applied Modified Bitumen ¹
	Self-Adhered Modified Bitumen ¹
	Adhered PVC/KEE (fleece-back) ²
	Liquid-Applied PMMA/PMA
Flashing Base Ply	Cold-Applied Modified Bitumen ¹
	Self-Adhered Modified Bitumen ¹
	Liquid-Applied PMMA/PMA
	Liquid-Applied Polyurethane-Bitumen ¹
Vapor Retarder	Rigid Insulation ³
	Lightweight Concrete ³

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

² Refer to SOPREMA's PVC/SBS Hybrid Membrane Roofing Technical Manual

³ Refer to SOPREMA's Vapor Retarder Technical Manual, Low-Slope Roofing

APPLICATION:



Prior to installation, unroll **SOPRALENE 180 SP 3.5** onto the roof surface and allow to relax. Position **SOPRALENE 180 SP 3.5** in desired position and back roll the product. **SOPRALENE 180 SP 3.5** is then heat welded to approved substrates.

Refer to SOPREMA's published technical literature for additional details and application requirements.

STORAGE:

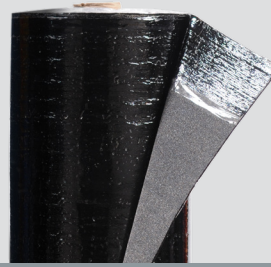
Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

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	Sanded
Back surfacing	Polyolefin film
Selvage surfacing	Polyolefin film
Selvage width, in (mm)	3 (76)

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)	96 (43.6)	D5147
Rolls per pallet	25	D5147
Pallet weight, lb (kg)	2,450 (1,113)	D5147
Thickness (minimum), mils (mm)	130 (3.3)	D5147
Thickness (nominal), mils (mm)	138 (3.5)	D5147
Net mass per unit area, lb/100 ft ² (g/m ²)	85 (4,188)	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.