

# SOPRALENE®

## 180 PS 2.2

SOPRALENE® 180 PS 2.2  
PRODUCT # 00569

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

SOPRALENE 180 PS 2.2 is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. SOPRALENE 180 PS 2.2 is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with tough, dimensionally stable non-woven polyester mat. The topside is surfaced with polyolefin (P) burn-off film and the underside is surfaced with fine mineral aggregate (S) to facilitate cold adhesive and hot asphalt applications.

### STORAGE

Store rolls on end and maintain in an upright position to prevent damage. Store rolls in a clean dry location and cover as necessary to protect rolls from environmental damage such as extreme cold, heat, or moisture. Monitor varying environmental conditions during storage, handling and application of SOPRALENE 180 PS 2.2.

### APPLICATION

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 manufacturer specifications. SOPRALENE 180 PS 2.2 is then rolled into the cold adhesive or hot asphalt and subsequently rolled with a weighted roller. Subsequent approved inter-ply or cap ply membranes are applied to SOPRALENE 180 PS 2.2 via heat welding. Refer to the SOPREMA SBS Roofing Manual for additional application guidelines.



APPLICATION



COLD ADHESIVE



HOT ASPHALT

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft <sup>2</sup> )	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/ PALLET (pallet weight)
D6164 Type 1, Grade S	49.2 (15.0 m)	39.4 (1.0 m)	147.6 (13.7 m <sup>2</sup> )	91 (2.3 mm)	88 (39.9 kg)	30 (2,690 lb/ 1,220 kg)

\* Coverage rate as reported assumes installation using side and end lap recommendations



**SOPREMA®**

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## TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Polyolefin film
Back surfacing	Sanded
Selvage surface	Sanded
End lap, in (mm)	6 (152)

DIMENSIONS & MASS		
PROPERTY		TEST METHOD
Thickness, mils (mm)	91 (2.3)	ASTM D5147
Net mass per unit area, lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	54.5 (2661)	ASTM D5147

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	110 (19.3)	85 (14.9)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	35	40	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	85 (14.9)	65 (11.4)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	55	60	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	60	65	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	125 (556)	85 (378)	ASTM D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147
Dimensional stability, %	< 0.5	< 0.5	ASTM D5147
Compound stability, °F (°C)	240 (116)	240 (116)	ASTM D5147

\* Data is represented by average values, unless noted otherwise.

## TESTING & APPROVALS

