

# COLPHENE®

## 180 SP

COLPHENE® 180 SP  
PRODUCT # 01219

## PRODUCT DATA SHEET

### DESCRIPTION & FEATURES

COLPHENE 180 SP is an SBS-modified bitumen base ply for use in approved multi-ply membrane waterproofing assemblies. COLPHENE 180 SP 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 fine mineral aggregate and underside is surfaced with polyolefin burn-off film to optimize heat welding.

### 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 COLPHENE 180 SP.

### APPLICATION

Prior to installation, unroll COLPHENE 180 SP onto the surface and allow to relax. Position COLPHENE 180 SP in desired position and back roll the product. COLPHENE 180 SP is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to COLPHENE 180 SP via cold adhesive. Refer to the SOPREMA SBS Waterproofing Installation Guide for additional application guidelines.



APPLICATION



HEAT-WELDED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft <sup>2</sup> )	THICKNESS (mils)	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> )	87 (2.2 mm)	86 (39 kg)	30 (2,630 lb/ 1193 kg)

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



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## TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Sanded
Back surfacing	Polyolefin film
Selvage surface	Polyolefin film
Selvage width, in (mm)	3 (76)
End lap, in (mm)	6 (152)

DIMENSIONS & MASS		
PROPERTY		TEST METHOD
Thickness, mils (mm)	87 (2.2)	ASTM D5147
Net mass per unit area, lb/100ft <sup>2</sup> (g/m <sup>2</sup> )	54 (2625)	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
Hydrostatic head pressure	Pass		ASTM D5385
Water vapor permeance, perms (ng/s•m <sup>2</sup> •Pa)	< 0.004 (0.23)		ASTM E96 Procedure B
Puncture Resistance, max load, lbf (N)	215 (956)		ASTM E154

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

## TESTING & APPROVALS



FLORIDA BUILDING CODE

