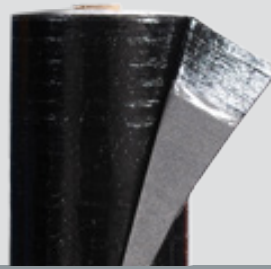


# COLPHENE® 180 SP

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



APPLICATIONS

WATERPROOFING

PRODUCT DATA SHEET PDS10284 - REV 230526

## PRODUCT NUMBERS:

- 01219 - 49.2 ft x 39.4 in (15.0 x 1.0 m) - Roll

## DESCRIPTION & FEATURES:

**COLPHENE 180 SP** (sanded, polyolefin) is a SBS-modified bitumen membrane approved for use in waterproofing assemblies. **COLPHENE 180 SP** is reinforced with 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.

- Surfaced with fine mineral aggregate to facilitate cold adhesive application
- 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:

**COLPHENE 180 SP** is used as a component in the following systems.

PROTECTED MEMBRANE WATERPROOFING	
USE	OVERLYING MATERIAL
Field Base Ply	Cold-Applied Modified Bitumen
	Liquid-Applied PMMA/PMA
Flashing Base Ply	Cold-Applied Modified Bitumen
	Liquid-Applied PMMA/PMA
Field Cap Ply	Overburden for Protected Membranes

## APPLICATION:



Prior to installation, unroll **COLPHENE 180 SP** onto the deck 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.

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

## STORAGE:

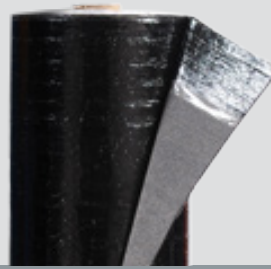
Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture.

## WARRANTY:

For more information refer to [www.SOPREMA.us](http://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)	49.2 (15.0)	D5147
Width, in (m)	39.4 (1.0)	D5147
Coverage,* ft <sup>2</sup> (m <sup>2</sup> )	147.6 (13.7)	D5147
Roll weight, lb (kg)	86 (39)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,630 (1,193)	D5147
Thickness, mils (mm)	87 (2.2)	D5147
Net mass per unit area, lb/100 ft <sup>2</sup> (g/m <sup>2</sup> )	54 (2,625)	D5147
Bottom coating thickness, mils (mm)	≥ 40 (1)	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
Hydrostatic head pressure	Pass		D5385
Water vapor permeance, perms (ng/s·m <sup>2</sup> ·Pa)	< 0.004 (0.23)		E96 (Procedure B)
Puncture resistance, max load, lbf (N)	215 (956)		E154

Data is represented by average values, unless noted otherwise.