

COLPHENE® 180 PS

SBS-Modified Bitumen Membrane

PRODUCT DATA SHEET PDS10305 - REV 230526



APPLICATIONS

WATERPROOFING

PRODUCT NUMBERS:

- 01217 - 49.2 ft x 39.4 in (15.0 x 1.0 m) - Roll

DESCRIPTION & FEATURES:

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

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

PROTECTED MEMBRANE WATERPROOFING	
USE	OVERLYING MATERIAL
Field Base Ply	Heat-Welded Modified Bitumen
Flashing Base Ply	Heat-Welded Modified Bitumen

APPLICATION:



COLD
ADHESIVE

Prior to installation, unroll **COLPHENE 180 PS** onto the deck and allow to relax. Place **COLPHENE 180 PS** in desired position and back roll the product. Apply approved cold adhesive following the manufacturer specifications. **COLPHENE 180 PS** is then placed into the cold adhesive or and rolled with a weighted roller to ensure adhesion.

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.

TESTING & APPROVALS:



FLORIDA BUILDING CODE

MIAMI-DADE COUNTY
APPROVED

NOA # 18-0717.02



LARR # 26062

WARRANTY:

For more information refer to www.SOPREMA.us or contact your SOPREMA representative.



COLPHENE® 180 PS

SBS-Modified Bitumen Membrane



APPLICATIONS

WATERPROOFING

PRODUCT DATA SHEET PDS10305 - REV 230526

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,* ft² (m²)	147.6 (13.7)	D5147
Roll weight, lb (kg)	87 (39.5)	D5147
Rolls per pallet	30	D5147
Pallet weight, lb (kg)	2,610 (1,185)	D5147
Thickness, mils (mm)	87 (2.2)	D5147
Net mass per unit area, lb/100 ft² (g/m²)	54 (2,636)	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
Hydrostatic head pressure	Pass		D5385
Water vapor permeance, perms (ng/s·m²·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.