

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

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

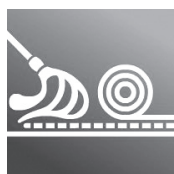
STORAGE

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 PS.

APPLICATION

Prior to installation, unroll COLPHENE 180 PS onto the surface and allow to relax. Place COLPHENE 180 PS in desired position and back roll the product. Apply approved cold adhesive or hot asphalt following manufacturer specifications. COLPHENE 180 PS is rolled into the cold adhesive or hot asphalt and subsequently broomed in if utilizing hot asphalt or rolled with a weighted roller if utilizing cold adhesives. Subsequent approved inter-ply or cap ply membranes are applied to COLPHENE 180 PS via heat welding. Refer to the SOPREMA's specifications and installation instructions for additional application guidelines.

APPLICATION



COLD ADHESIVE HOT ASPHALT

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft ²)	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 ²)	87 (2.2 mm)	87 (39.5 kg)	30 (2,610 lb/ 1,185 kg)

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



SOPREMA®

www.soprema.us
310 Quadral Drive, Wadsworth, Ohio 44281
Toll Free: (800) 356-3521 | Tel: (330) 334-0066

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
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 ² (g/m ²)	54 (2636)	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 ² •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

