

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

COLPHENE SP 3.0 (sanded, polyolefin) is an SBS-modified bitumen base ply for use in approved multi-ply waterproofing assemblies. COLPHENE SP 3.0 is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a high quality random glass fiber mat. The topside is surfaced with fine mineral aggregate and underside is surfaced with polyolefin burn-off film to optimize heat welding.

STORAGE & HANDLING

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 SP 3.0.

APPLICATION

Prior to installation, unroll COLPHENE SP 3.0 onto the surface and allow to relax. Position COLPHENE SP 3.0 in desired position and back roll the product. COLPHENE SP 3.0 is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to COLPHENE SP 3.0 via cold adhesive or hot asphalt. Refer to the SOPREMA's specifications and installation instructions for additional application guidelines.



APPLICATION



HEAT-WELDED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft ²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6163 Type 1, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m ²)	118 (3.0 mm)	87 (39.6 kg)	30 (2,610 lb/ 1,188 kg)

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



SOPREMA®

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TECHNICAL INFORMATION & TESTING

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

DIMENSIONS & MASS		
PROPERTY		TEST METHOD
Thickness, mils (mm)	118 (3.0)	ASTM D5147
Net mass per unit area, lb /100 ft ² (g/m ²)	64.5 (2895)	ASTM D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0)	ASTM D5147

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	100 (17.5)	90 (17.5)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	4	4	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	50 (8.8)	40 (7.0)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	5	4	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	45	45	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	60 (267)	60 (267)	ASTM D5147
Low temperature flexibility, °F (°C)	-15 (-26)	-15 (-26)	ASTM D5147
Dimensional stability, %	< 0.1	< 0.1	ASTM D5147
Compound stability, °F (°C)	250 (121)	250 (121)	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)	45 (200)		ASTM E154

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

TESTING & APPROVALS



FLORIDA BUILDING CODE

MIAMI-DADE COUNTY
APPROVED

