

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

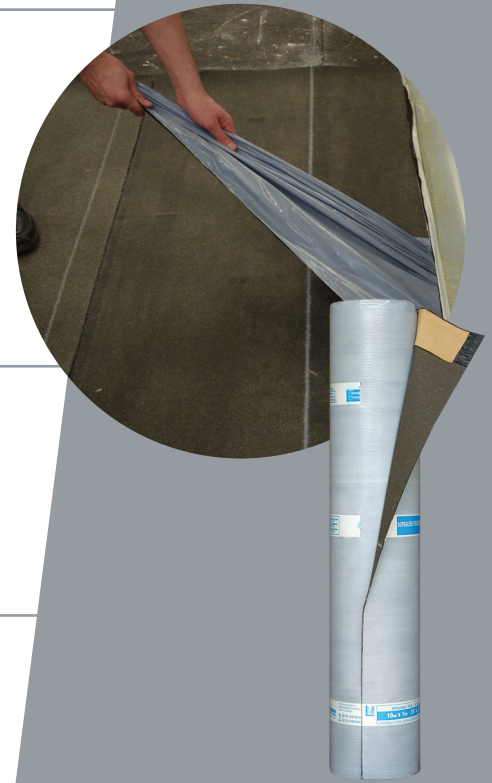
COLPHENE Stick is an SBS-modified bitumen, self-adhered base ply for use in approved multi-ply membrane waterproofing assemblies. COLPHENE Stick is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen in combination with a high tack self-adhesive layer and is reinforced with a tough, dimensionally stable non-woven polyester mat. The topside is surfaced with fine mineral aggregate to facilitate self-adhered and cold adhesive applications and the underside is surfaced with protective polyolefin release film that is removed during 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 Stick.

APPLICATION

Prior to installation, unroll COLPHENE Stick onto the roof surface and allow to relax. Place COLPHENE Stick in desired position. Remove the protective release film from the underside of the sheet and roll COLPHENE Stick into place with a weighted roller. Subsequent approved inter-ply or cap ply membranes are applied to COLPHENE Stick via self-adhered and cold adhesive applications. Refer to the SOPREMA SBS Roofing Guide for additional application guidelines.



APPLICATION



SELF ADHERED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft ²)	THICKNESS (mils)	WEIGHT (lb)	ROLLS/PALLET
D6164 Type 1, Grade S	49.2 (15.0 m)	39.4 (1.0 m)	147.6 (13.7 m ²)	106 (2.7 mm)	105 (47.8 kg)	20 (2,150 lb 975 kg)

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

TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES

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

DIMENSIONS & MASS

PROPERTY		TEST METHOD
Thickness, mils (mm)	106 (2.7)	ASTM D5147
Net mass per unit area, lb/100ft ² (g/m ²)	65 (3188)	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, maxload lbf(N)	215 (956)		ASTM E154

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

TESTING & APPROVALS



FLORIDA BUILDING CODE

