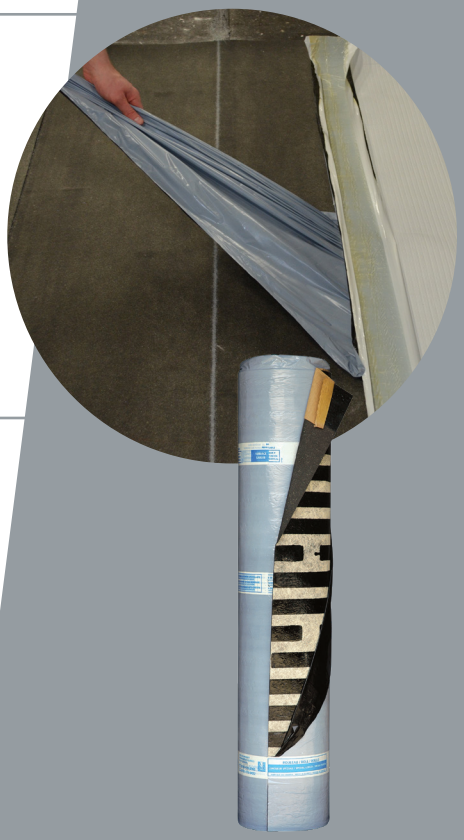
COLVENT®
180 SA

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

COLVENT 180 SA is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. COLVENT 180 SA is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen in combination with high tack self-adhesive ribbons and is reinforced with a tough, dimensionally stable non-woven polyester mat. The ribbon strips are arranged in a pattern to vent vapor pressure between the substrate and the COLVENT 180 SA. The topside is surfaced with fine mineral aggregate to optimize cold adhesive applications and the underside is surfaced with protective polyolefin release film that is removed during application.



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 COLVENT 180 SA.

APPLICATION

Prior to installation, unroll COLVENT 180 SA onto the roof surface and allow to relax. Place COLVENT 180 SA in desired position. Remove the protective release film from the underside of the sheet and roll COLVENT 180 SA into place with a weighted roller. Subsequent approved inter-ply or cap ply membranes are applied to COLVENT 180 SA via cold adhesive. 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 (pallet weight)
D6164 Type 1, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m^2)	118 (3.0 mm)	73 (33 kg)	25 (1869 lb/ 848 kg)

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

SOPREMA®
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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 bitumen strips 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)	118 (3.0)	ASTM D5147
Net mass per unit area, lb/100ft^2 (g/m^2)	68 (3311)	ASTM D5147

PHYSICAL PROPERTIES			
PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	115 (20.1)	90 (15.8)	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), %	65	80	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

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

TESTING & APPROVALS

FM APPROVED

SOPREMA®