SOPRALENE® 180 SANDED 2.2

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

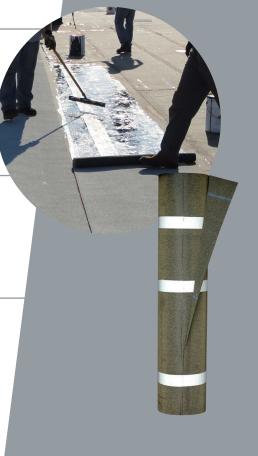
SOPRALENE 180 Sanded 2.2 is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. SOPRALENE 180 Sanded 2.2 is composed of a proprietary formulation of elastomeric styrene-butadienestyrene (SBS) polymer modified bitumen and is reinforced with a tough, dimensionally stable non-woven polyester mat. The topside and underside are surfaced with fine mineral aggregate to facilitate cold adhesive and hot asphalt applications.

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 SOPRALENE 180 Sanded 2.2.

APPLICATION

Prior to installation, unroll SOPRALENE 180 Sanded 2.2 onto the roof surface and allow to relax. Place SOPRALENE 180 Sanded 2.2 in desired position and back roll the product. Apply approved cold adhesive or hot asphalt following manufacturer's guidelines. SOPRALENE 180 Sanded 2.2 is then rolled into the cold adhesive or hot asphalt and subsequently rolled with a weighted roller. Subsequent approved interply or cap ply membranes are applied to SOPRALENE 180 Sanded 2.2 via cold adhesive or hot asphalt. Refer to the SOPREMA® SBS Roofing Manual for additional application guidelines.









COLD ADHESIVE HOT ASPHALT

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft²)	THICKNESS (mils)	ROLL 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 m²)	91 (2.3 mm)	92 (41.7 kg)	30 (2,810 lb/ 1,274 kg)





TECHNICAL INFORMATION & TESTING

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

DIMENSIONS & MASS						
PROP	TEST METHOD					
Thickness, mils (mm)	91 (2.3)	ASTM D5147				
Net mass per unit area, lb/100ft² (g/m²)	57 (2782)	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			

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

TESTING & APPROVALS











