

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

SOPRAPHIX Base 612 is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies and is designed specifically for mechanical attachment to approved substrates. SOPRAPHIX Base 612 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 engineered for mechanical attachment. The topside and underside are 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 SOPRAPHIX Base 612.

APPLICATION

Prior to installation, unroll SOPRAPHIX Base 612 onto the roof surface and allow to relax. Place SOPRAPHIX Base 612 in desired position. SOPRAPHIX Base 612 is mechanically fastened through the 4 inch or 5 inch side laps using the 2 inch or 2.4 inch plates respectively following the details for the required uplift pressure. Subsequent approved inter-ply or cap ply membranes are applied to SOPRAPHIX Base 612 via heat welding. Refer to the SOPREMA® SBS Roofing Manual for additional application guidelines.



APPLICATION



MECHANICALLY  
FASTENED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6164 Type 1, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	4- 95.2 (8.8 m²) 5- 92.5 (8.6 m²)	118 (3.0 mm)	82 (37.2 kg)	30 (2,510 lbs/ 1,139 kg)

\* Coverage rate as reported assumes installation using side and end lap recommendations. Coverage reported reflects 4 and 5 inch side laps respectively.



## TECHNICAL INFORMATION & TESTING

SHEET PROPERTIES	
Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Polyolefin film
Back surfacing	Polyolefin film
Selvage width, in (mm)	4 (102) and 5 (127)
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/100ft² (g/m²)	76 (3711)	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



FLORIDA BUILDING CODE

