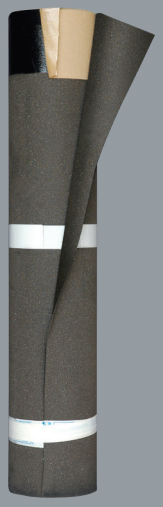
SOPRAFIX®
BASE 641

PRODUCT DATA SHEET

DESCRIPTION & FEATURES



SOPRAFIX Base 641 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. SOPRAFIX Base 641 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 fine material aggregate to facilitate subsequent cold adhesive or self adhered application, while the laps are surfaced with self-adhesive.

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 SOPRAFIX Base 641.

APPLICATION

Prior to installation, unroll SOPRAFIX Base 641 onto the roof surface and allow to relax and remove wrinkles. Place SOPRAFIX Base 641 in desired position. Prior to mechanically fastening, remove the protective film on the side lap. SOPRAFIX Base 641 is mechanically fastened through the 5 inch side lap using the 2 inch or 2.4 inch plates respectively following the details for the required uplift pressure. The side laps are then rolled with a weighted roller to achieve proper adhesion. Subsequent approved inter-ply or cap ply membranes are applied to SOPRAFIX Base 641 via self-adhesive or cold adhesive. Refer to SOPREMA® SBS Roofing Manual for additional application guidelines.

APPLICATION

MECHANICALLY FASTENED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft^2)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/ PALLET (pallet weight)
D6164 Type 1, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	5- 92.5 (8.6 m^2)	110 (2.8 mm)	71 (32.2 kg)	30 (2,180 lb/ 989 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	Sanded
Selvage surface	Self-adhesive with release film
Selvage width, in (mm)	5 (127)
End lap, in (mm)	6 (152)

DIMENSIONS & MASS		
PROPERTY		TEST METHOD
Thickness, mils (mm)	110 (2.8)	ASTM D5147
Net mass per unit area, lb/100ft^2 (g/m^2)	66 (3233)	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 maximum 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 · CLASSIFIED UL · FLORIDA BUILDING CODE · MIAMI-DADE COUNTY APPROVED

SOPREMA®