

SOPRALENE®

FLAM 250

SOPRALENE® FLAM 250
PRODUCT # 00434

PRODUCT DATA SHEET

DESCRIPTION & FEATURES

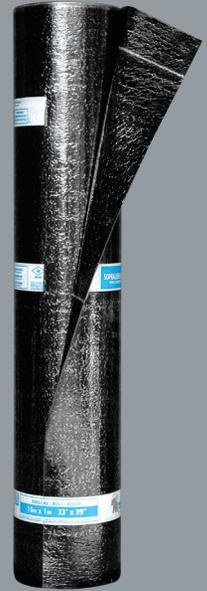
SOPRALENE Flam 250 is an SBS-modified bitumen base ply for use in approved multi-ply membrane and flashing assemblies. SOPRALENE Flam 250 is composed of a proprietary formulation of elastomeric styrene-butadiene-styrene (SBS) polymer modified bitumen and is reinforced with a tough, dimensionally stable non-woven polyester mat. 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 SOPRALENE Flam 250.

APPLICATION

Prior to installation, unroll SOPRALENE Flam 250 onto the roof surface and allow to relax. Position SOPRALENE Flam 250 in desired position and back roll the product. SOPRALENE Flam 250 is then heat welded to approved substrates. Subsequent approved inter-ply or cap ply membranes are applied to SOPRALENE Flam 250 via heat welding. Refer to the SOPREMA® SBS Roofing Manual for additional application guidelines.



APPLICATION



HEAT-WELDED

QUICK FACTS

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE* (ft²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6164 Type 2, Grade S	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m²)	157 (4.0mm)	107 (48.5 kg)	25 (2,725 lb/ 1,236 kg)

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



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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)	3 in (76 mm)
End lap, in (mm)	6 in (152 mm)

DIMENSIONS & MASS

PROPERTY		TEST METHOD
Thickness, mils (mm)	157 (4.0)	ASTM D5147
Net mass per unit area, lb/100ft ² (g/m ²)	99 (4834)	ASTM D5147
Bottom coating thickness, mils (mm)	≥ 40 (1.0 mm)	ASTM D5147

PHYSICAL PROPERTIES

PROPERTY	MD	XMD	TEST METHOD
Peak load @ 0°F (-18°C), lbf/in (kN/m)	160 (28.0)	110 (19.3)	ASTM D5147
Elongation at peak load @ 0°F (-18°C), %	30	35	ASTM D5147
Peak load @ 73.4°F (23°C), lbf/in (kN/m)	135 (23.6)	100 (17.5)	ASTM D5147
Elongation at peak load @ 73.4°F (23°C), %	55	60	ASTM D5147
Ultimate elongation @ 73.4°F (23°C), %	70	80	ASTM D5147
Tear strength @ 73.4°F (23°C), lbf (N)	165 (734)	120 (534)	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

