

SOPRALENE® 250 FR+GR

SBS-Modified Bitumen Cap Ply



APPLICATIONS

ROOFING

PRODUCT DATA SHEET PD10204 - REV.230517

QUICK FACTS:

ASTM STANDARD	LENGTH (ft)	WIDTH (in)	COVERAGE** (ft ²)	THICKNESS (mils)	ROLL WEIGHT (lb)	ROLLS/PALLET (pallet weight)
D6164 Type 2, Grade	32.8 (10.0 m)	39.4 (1.0 m)	97.9 (9.1 m ²)	157 (4.0 mm)	115 (52.2 kg)	25 (2,925 lb/ 1,327 kg)

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

COOL ROOF RATING

PRODUCT	SOLAR REFLECTANCE		THERMAL EMITTANCE		SRI	
SOPRALENE 250 FR+ GR Standard white granules	0.26 initial	0.23 3 year	0.87 initial	0.9 3 year	25 initial	23 3 year

* CRRC Rapid Ratings. Refer to Cool Roof Ratings Council (CRRC).

PRODUCT NUMBERS:

- 01424 - SOPRALENE 250 - Roll

DESCRIPTION:

SOPRALENE 250 FR+ GR (fire retardant, granulated) is an SBS-modified bitumen cap ply for use in approved multi-ply membrane and flashing assemblies. SOPRALENE 250 FR+ GR 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 is surfaced with ceramic coated granules and the underside is surfaced with fine mineral aggregate to facilitate cold adhesive application.

SOPRALENE 250 FR+ GR includes the standard white granules. Contact SOPREMA® Customer Service or your sales representative for other granule color options and special order requirements.

APPLICATION:



COLD ADHESIVE

Prior to installation, unroll **SOPRALENE 250 FR+ GR** onto the roof surface and allow to relax. Place SOPRALENE 250 FR+ GR in desired position and back roll the product. Apply approved cold adhesive following manufacturer specifications. SOPRALENE 250 FR+ GR is then rolled into the cold adhesive and subsequently rolled with a weighted roller. Refer to the SOPREMA SBS Roofing Guide for additional application guidelines.

STORAGE:

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 250 FR+ GR**.



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TECHNICAL INFORMATION & TESTING:

SHEET PROPERTIES

Reinforcement	Non-woven polyester
Elastomeric bitumen	Proprietary blend of bitumen and SBS polymers
Top surfacing	Ceramic coated granules
Back surfacing	Sanded
Selvage surface	Sanded
Selvage width, in (mm)	3 (76)
End lap, in (mm)	6 (152)

DIMENSIONS & MASS

PROPERTY		TEST METHOD
Thickness, mils (mm)	157 (4.0)	ASTM D5147
Thickness @ selvage, mils (mm)	130 (3.3)	ASTM D5147
Net mass per unit area, lb/100ft ² (g/m ²)	107.5 (5250)	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), %	60	75	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
Granule embedment, g	< 1.5 avg		ASTM D5147

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

TESTING & APPROVALS:

