



SOPRALENE FLAM 180 FR UW GR

SOPRALENE FLAM 180 FR UW GR (48B) Order No. 03967*

*Cap sheet is available in WHITE ONLY.



DESCRIPTION & APPLICATION

Sopralene Flam 180 FR UW GR cap ply is composed of selected SBS modified bitumen applied onto a non-woven polyester reinforcement with film on the underside and a colored granule topside surface.

The Sopralene Flam 180 FR UW GR field and flashing cap membrane ply is adhered to a properly prepared, clean, dry and/or primed (where required) base or ply membrane by using the heat welding method. See published Specifications and Approved Details.

COMPOSITION & PACKAGING

Product/ Property	SOPRALENE FLAM 180 FR UW GR
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	colored granules
Underside	film
Approximate Nominal Thickness	160 mils (4.0 mm)
Approximate Roll Coverage	97.5 ft ² (9.1m ²)
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	33 ft (10 m)
Roll Width	39" (1 m)
Approximate Roll Weight	113 lbs (51.3 kg)
Rolls per Pallet*	25

* Rolls stocked upright on pallets

APPROVALS

See Underwriters Laboratories Inc. File #R11436, FM Approvals, ICC/ES, Miami-Dade County or Florida Building Code Product Approval Listings for current Approved Roof Assembly combinations. Soprema is ISO-9001:2008 Certified.

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.




PHYSICAL PROPERTIES

Physical Property per ASTM D 6164, Type I, Grade G	MD	XD
Tensile - Max Load at 0 ± 3.6°F lbf/in	117	83
Elongation at 0 ± 3.6°F %	29	22
Tensile - Max Load at 73.4 ± 3.6°F lbf/in	70	70
Elongation at 73.4 ± 3.6°F %	56	61
Tear Strength at 73.4 ± 3.6°F lbf	120	87
Low Temperature Flex °F max	-15	-15
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp F	230	230
Granule Embedment g/max	0.8	0.8
Minimum values before and after Heat Conditioning Test results for manufacturing plant in Wadsworth, OH		

GENERAL

SOPREMA is a Certified ISO 9001:2008 worldwide producer of bituminous membranes with factories in Europe and North America. Waterproofing sheets have been produced by SOPREMA since 1908. Today, through a special mixture of components, SOPREMA membranes redefine the qualities indispensable to a high performance roof membrane: elasticity, flexibility, heat & fatigue resistance.

SOPREMA SBS modified bitumen membrane assemblies typically consist of base and top ply membranes that have specific type reinforcements in order to meet specific ASTM Standards. The two ply system provides a resistance to punctures and tears, as well as ensuring an effective distribution of stress points. The two ply system operates in a homogeneous fashion. The bitumen in each layer moves uniformly to offer continuous protection.

 CRRRC COOL ROOF RATING COUNCIL®		<u>Initial</u>	<u>Weathered</u>
	Solar Reflectance	0.50	0.43
Thermal Emittance	0.86	0.88	
Rated Product ID Number	0772-0002		
Licensed Seller ID Number	0772		
Classification	Production Line		
Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.			
Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.			

CA Title 24 Compliant Initial/Weathered - CRRC Rated	Reflectivity 0.50 / 0.43	Emmissivity 0.86 / 0.88
LEED	Recycled Content 0%	
	Production Location: Wadsworth, OH	

Solar Reflective Index(SRI)	
Initial	Weathered
57	48.1