



# SOPRALENE FLAM 180

SOPRALENE FLAM 180 (32)

Order No. 00410

## DESCRIPTION & APPLICATION

Sopralene Flam 180 base ply is composed of selected SBS modified bitumen applied onto a non-woven polyester reinforcement with a film on both the underside and topside surfaces.

The Sopralene field and flashing base membrane plies is adhered to a properly prepared, clean, dry and/or primed (where required) substrate by using the heat welding application method. Optional inner ply(s) or the field cap membrane ply is bonded to the properly prepared, clean, dry and/or primed (where required) Sopralene Flam 180 top surface with the heat welding application method.

Sopralene Flam 180 may also be used as a base and/or innerply ply membrane and also as a flashing base ply or inner ply membrane in approved waterproofing assemblies.

See published Specifications and Approved Details.

## COMPOSITION & PACKAGING

Product/ Property	SOPRALENE FLAM 180
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	film
Underside	film
Approximate Nominal Thickness	120 mils (3.0 mm)
Approximate Roll Coverage	97.5 ft <sup>2</sup> (9.1m <sup>2</sup> )
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	33 ft (10 m)
Roll Width	39" (1 m)
Approximate Roll Weight	81 lbs (37 kg)
Rolls per Pallet*	30
* Rolls stocked upright on pallets	

## WARRANTY

Contact your local SOPREMA representative for project warranty offerings.



## PHYSICAL PROPERTIES

Physical Property per ASTM D 6164, Type I, Grade S	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	250	250
Granule Embedment g/max	NA	NA

Minimum values before and after Heat Conditioning  
Test results for manufacturing plant in Wadsworth, OH

## 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-9001:2000 Certified.

## GENERAL

SOPREMA is a Certified ISO 9001:2000 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.