



# ELASTOPHENE 180 SP

ELASTOPHENE 180 SP

Order No. 00495

## DESCRIPTION & APPLICATION

Elastophene 180 SP is composed of selected SBS modified bitumen applied onto a non-woven polyester reinforcement with a sanded topside and a plastic film on the bottom surface

The field and flashing base membrane ply is adhered to a properly prepared substrate by using torch or hot air welding techniques. Optional inner ply(s) or the field cap membrane ply is bonded to the properly prepared, clean, dry Elastophene 180 SP top surface with hot or cold adhesive bonding application methods.

See published Specifications and Approved Details.

## COMPOSITION & PACKAGING

Product/ Property	ELASTOPHENE 180 PS
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	lightly sanded
Underside	film
Approximate Nominal Thickness	90 mils (2.2 mm)
Approximate Roll Coverage	147 ft <sup>2</sup> (13.6 m <sup>2</sup> )
Side Lap	3" (76 mm)
End Lap	6" (152 mm)
Roll Length	49 ft (15 m)
Roll Width	39" (1 m)
Approximate Roll Weight	92 lbs (41.7 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 $0 \pm 3.6^{\circ}\text{F}$ lbf/in	117	83
Elongation at $0 \pm 3.6^{\circ}\text{F}$ %	29	22
Tensile - Max Load at $73.4 \pm 3.6^{\circ}\text{F}$ lbf/in	70	70
Elongation at $73.4 \pm 3.6^{\circ}\text{F}$ %	56	61
Tear Strength at $73.4 \pm 3.6^{\circ}\text{F}$ lbf	120	87
Low Temperature Flex $^{\circ}\text{F}$ max	-15	-15
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp F	215	215
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.