



ELASTOPHENE FLAM HS FR

ELASTOPHENE FLAM HS FR (38A)

Order No. 00445

DESCRIPTION

Elastophene Flam HS FR membrane is composed of selected SBS modified bitumen applied onto a woven fiberglass composite reinforcement and is produced with a plastic burn-off film on the underside and topside as a field base membrane ply. The plastic burn-off film surfaced base membrane ply is adhered to a properly prepared or primed substrate (where required) by using heat welding. The plastic burn-off film surface on the base membrane ply topside allows for inner ply or cap sheet membranes to be bonded by heat welding application method. Elastophene Flam HS FR meets ASTM D 6162, Type III, Grade S.

See published Specifications and Approved Details.

COMPOSITION & PACKAGING

Product/ Property	ELASTOPHENE FLAM HS FR
Reinforcement	Composite fiberglass/non-woven polyester
Elastomeric Bitumen	Selected blend of bitumen and SBS thermoplastic polymers
Topside	plastic film
Underside	plastic film
Approximate Nominal Thickness	3.0 mm (120 mils)
Approximately Roll Coverage	97.5 ft ² (9.1 m 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	74 lbs. (33.5 kg)
Rolls per Pallet*	30
*Rolls stocked upright on pallet	



PHYSICAL PROPERTIES

Physical Property per ASTM D 6162, Type III, Grade S	MD	XD
Tensile - Max Load at 0 ± 3.6°F lbf/in	608	585
Elongation at 0 ± 3.6°F %	12	6
Tensile - Max Load at 73.4 ± 3.6°F lbf/in	555	387
Elongation at 73.4 ± 3.6°F %	20	11
Tear Strength at 73.4 ± 3.6°F lbf	1,020	706
Low Temperature Flex °F max	-13	-13
Dimensional Stability % max	<0.5	<0.5
Compound Stability Temp F	250	250
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-9001:2008 Certified.

WARRANTY

Contact your local SOPREMA representative for project warranty offerings.

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.