



ELASTOPHENE HR 3.0

ELASTOPHENE HR 3.0 (27)

Order No. 00213

DESCRIPTION & APPLICATION

Elastophene HR 3.0 membrane is composed of selected SBS modified bitumen applied onto a glass mat/glass grid composite reinforcement with a sanded underside and a high brush sanded or granule topside surface.

The Elastophene HR 3.0 field base membrane ply is adhered to a properly prepared, clean, dry and/or primed (where required) substrate by using hot asphalt or cold adhesive. Optional inner ply(s) or the field cap membrane ply is bonded to the properly prepared, clean, dry and/or primed (where required) Elastophene HR 3.0 top surface with hot asphalt, cold adhesive or heat welding application methods. A self-adhesive cap sheet can also be installed when the Elastophene HR 3.0 surface is properly prepared with Soprema SA Primer and Soprema Sealant is applied to all side and end lap edges not having a bitumen bleed-out prior to application.

See published Specifications and Approved Details.

COMPOSITION & PACKAGING

Product/ Property	ELASTOPHENE HR 3.0
Reinforcement	glass grid
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	sanded
Underside	sanded
Approximate Nominal Thickness	120 mils (3.0 mm)
Approximate 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	86 lbs (39 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 6163, Type II, Grade S	MD	XD
Tensile - Max Load at $0 \pm 3.6^{\circ}\text{F}$ lbf/in	200	175
Elongation at $0 \pm 3.6^{\circ}\text{F}$ %	8	8
Tensile - Max Load at $73.4 \pm 3.6^{\circ}\text{F}$ lbf/in	136	134
Elongation at $73.4 \pm 3.6^{\circ}\text{F}$ %	12	10
Tear Strength at $73.4 \pm 3.6^{\circ}\text{F}$ lbf	130	130
Low Temperature Flex $^{\circ}\text{F}$ max	-15	-15
Dimensional Stability % max	<0.1	<0.1
Compound Stability Temp F	230	230
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.