



# SOPRAFIX-e FR

SOPRAFIX-e FR (32E)

Order No. 00637

## DESCRIPTION & APPLICATION

The Soprafix-e FR membrane is composed of selected SBS modified bitumen applied onto non-woven polyester reinforcement and is used in Soprema Mechanically Fastened Multiple-Ply SBS Roof Assemblies. Refer to current SOPRAFIX Approved Detail Fastening Pattern(s) for Installation Instructions. Soprafix-e FR is typically used over polystyrene insulation but not with the Tri-Fixx System. Inner ply(s) or cap sheet membranes are bonded to the Soprafix-e FR properly clean and dry high brush sanded top membrane surface with approved modified cold adhesives (must be pre-approved prior to bidding), Soprema 2-Part Membrane Adhesive (solvent free), by heat welding or with self-adhesive (Soprema Approved SA Primer required with self-adhered inner ply or cap sheet) Application Methods.

Soprafix-e FR has a self-adhesive five (5") inch (127mm) wide "flex" side laps which allows the seam width to be adjusted to a four (4") inch (102mm) wide side lap for specific wind rated fastened assemblies. No side-lap lay lines are added to Soprafix-e FR since the sanded top surface delineates where the five-inch side lap area begins (on-site adjustment required by installer when a four-inch side lap is used for batten bars). Vigorous hand or motorized roller pressure is applied to the self-adhered or Soprema 2-Part Membrane Adhesive side lap area to insure watertight integrity. All end laps and "T" Joints are sealed using either heat welding, hot air welding or Soprema 2-Part Membrane Adhesive techniques (plastic burn-off film removed). In cool weather, Soprema Sealant is applied to all side and end lap edges of Soprafix-e when a self-adhesive inner ply(s) or a cap sheet is installed.

Correct placement of the Soprafix Stress Plate, Soprafix Metal Batten Bar (MBB) or Soprafix Polymer Batten Bar (PBB) is important in order for Soprafix-e FR Mechanically Fastened Systems to be effective. **It is the installer's responsibility to know the SOPRAFIX SYSTEM being installed, which SOPRAFIX fastening components are required, where and how often these parts are placed within the System.** Unless otherwise noted in the SOPRAFIX Approved Details, the installer must center the required Soprafix Stress Plate or Batten Bar down the middle of the mechanically fastened side lap of the specified SOPRAFIX membrane. Soprema #15 or #14 Fasteners (or other approved) are installed with the Soprafix Stress Plate or Batten Bar according to the applicable Fastening Pattern(s).

NOTE: Refer to current Approved SOPRAFIX published Specifications, *Roofers Guide*, Approved Details and deck types, Fastening Patterns and Application Methods for Soprema's Mechanically Fastened SOPRAFIX Systems.

## COMPOSITION & PACKAGING

Product/ Property	SOPRAFIX-e FR
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	sanded
Underside	sanded
Approximate Nominal Thickness	112 mils (2.8 mm)
Approximate Roll Coverage	95 to 92 ft <sup>2</sup> (8.8 to 8.5 m <sup>2</sup> )
Side Lap	4" or 5" (102 to 127 mm)
End Lap	6" (152 mm)
Roll Length	33 ft (10 m)
Roll Width	39" (1 m)
Approximate Roll Weight	73 lbs (33 kg)
Rolls per Pallet*	30
* Rolls stocked upright on pallets	



## 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	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.

## WARRANTY

Contact your local SOPREMA representative for project warranty offerings.