



SOPRAFIX (X)

SOPRAFIX (X) (31S)

Order No. 00433

DESCRIPTION & APPLICATION

The Soprafix (X) membrane is composed of selected SBS modified bitumen applied onto non-woven polyester reinforcement. They are used in Soprema Mechanically Fastened Multiple-Ply SBS Roof Assemblies. Refer to current SOPRAFIX Approved Detail Fastening Pattern(s) for Installation Instructions.

Inner ply(s) or cap sheet membranes are bonded to the Soprafix (X) properly clean film top membrane surface by heat welding application method. Soprafix (X) has a six (6") inch (152 mm) wide side lap. The Soprafix (X) side lap areas are covered with plastic burn-off film. Soprafix (X) lay lines are placed approximately three (3") inches (76 mm) and six (6") inches (152 mm) from the leading edge. These lay lines have a manufacturing tolerance and are used only as a general guide to help center the fastening plate within the side lap.

Correct placement of the Soprafix Stress Plate, Soprafix Metal Batten Bar (MBB) or Soprafix Polymer Batten Bar (PBB) is important in order for Soprafix 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).

Soprafix (X) membrane side laps are sealed watertight by means of heat welding or a hot air welder. Immediately, a weighted roller is applied to the side lap to insure watertight integrity. When open flame devices are used on wind rider warranty projects, the side laps are sealed by heat welding the top sheet to the bottom sheet as it is being unrolled, fully encapsulating the fastening components (Torch and Roll Method).

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 (X)
Reinforcement	polyester
Elastomeric Bitumen	selected blend of bitumen and SBS thermoplastic polymers
Topside	film
Underside	film
Approximate Nominal Thickness	160 mils (4.0 mm)
Approximate Roll Coverage	90 ft ² (8.3 m ²)
Side Lap	6" (152 mm)
End Lap	6" (152 mm)
Roll Length	33 ft (10 m)
Roll Width	39" (1 m)
Approximate Roll Weight	105 lbs (47 kg)
Rolls per Pallet*	25

* Rolls stocked upright on pallets



PHYSICAL PROPERTIES

Physical Property per ASTM D 6164, Type II, Grade S	MD	XD
Tensile - Max Load at 0 ± 3.6°F lbf/in	159	111
Elongation at 0 ± 3.6°F %	33	28
Tensile - Max Load at 73.4 ± 3.6°F lbf/in	136	99
Elongation at 73.4 ± 3.6°F %	54	59
Tear Strength at 73.4 ± 3.6°F lbf	164	121
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.