

## SOPRAFIX HP

**SOPRAFIX HP** is a flexible SBS elastomeric bitumen waterproofing membrane with a polyester / glass composite reinforcement, intended to be mechanically fastened as a part of the process **SOPRAFIX Bicouche**.

The topside is covered by a thermofusible film and the underside is covered with fine sand.

The lineage of the fasteners axis on the overlap is 5 cm from the edge.

### User application

**SOPRAFIX HP** is mainly used as first layer mechanically fastened for bilayer self-protected systems.

**SOPRAFIX HP** is intended to be laid on all bearing elements accepting mechanical fasteners. It can be used in new construction or renovation. To be used outside only.

All the applications are described in Technical Approvals or **SOPREMA**'s Technical Guidelines in force.

### Composition

SOPRAFIX HP	
Reinforcement	Composite polyester / glass
Binder	Elastomeric bitumen: blend of selected bitumen and SBS* thermoplastic polymers
Thickness Minimum on overlap	2,6 mm (- 5 %; + 5%)
Topside	Thermofusible film
Underside	Fine sand
Overlap	Double at 5 and 10 cm from edge
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings	

### Packaging

SOPRAFIX HP		
Dimensions of the roll	10 m x 1 m	<b>CONFORT</b> 7 m x 1 m
Weight of the roll	about 32 kg	about 25 kg
Storage	Upright on pallet with plastic wrapping, protected against moisture	
<p>Roll lengths are given with a tolerance of <math>\leq 1\%</math>. Roll can be cut in two parts. In this case, the shortest length is 2 meters and the total length is equal to the nominal length.</p> <p>Width of roll is given with a tolerance of 1% (UEAtc). Rolls must be stored upright on flat ground. Pallets may be stacked to a maximum of two high with separating layer. During storage, protect the rolls against moisture. In cold weather, we recommend that the rolls be kept at a minimum temperature of + 2°C (+ 36 °F) for at least 5 hours before installation.</p>		

## Characteristics (off CE marking)

	SOPRAFIX HP
Static puncture resistance (NF P 84-352)	
- with <b>SOPRAFIX AR</b> (or <b>ELASTOPHENE FLAM 25 AR</b> )	≥ 15 kg (L3)
- with <b>SOPRALENE FLAM 180 AR</b>	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353)	
- with <b>SOPRAFIX AR</b> (or <b>ELASTOPHENE FLAM 25 AR</b> )	≥ 20 J (D3)
- with <b>SOPRALENE FLAM 180 AR</b>	≥ 20 J (D3)

## Installation

In Technical Approval **SOPRAFIX Bicouche**, **SOPRAFIX HP** is semi-loose laid by unrolling the membrane and mechanical fasteners on the overlaps. All the joints are welded.

**SOPRAFIX HP** requires a second layer of self-protected elastomeric waterproofing.

All the applications are described in Technical Guidelines or Technical Approvals in force.

## Special indications

### Hygiene, health and environment:

The product does not contain any substance likely to be detrimental to health or to environment and complies with generally admitted Health and Safety Requirements. For further information, please refer to relevant Safety Data Sheet.

### Traceability:


Product traceability is ensured through a manufacturing code present on the packaging.

### Quality control:

**SOPREMA** has always attached the highest importance to the quality of its products, to the respect of environment and men.

For this reason, we apply an integrated management of the Quality and Environment certified **ISO 9001** and **ISO 14001**.

## CE marking

 <b>1119</b> <b>SOPRAFIX HP</b>
<b>SOPREMA</b> 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex <b>06</b> Construction Product Regulation (CPR) Declaration of Performance : DoP n° WPBFR221 Certificate of Factory Production Control : 1119-CPR-13132, 13133, 13134.
<b>EN 13707</b> Membrane composed of modified elastomeric bitumen and a stabilized polyester reinforcement. Topside is covered with a thermofusible film and the underside is covered with fine sand. Dimensions 10 m or 7 m x 1 m x 2,6 mm. Underlayer mechanically fastened, with self-adhesive overlap and welded.

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	<b>FROOF (t1,t2,t3,t4)</b>	<b>EN 13707:2004 + A2:2009</b>
Reaction to fire	<b>E</b>	
Watertightness	<b>Conform</b>	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	<b>≥ 450 x 300 20 x 20</b>	
Root resistance	<b>NPD</b>	
Resistance to static loading (kg)	<b>15</b>	
Resistance to impact (mm)	<b>600</b>	
Resistance to tearing (N)	<b>≥ 150</b>	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	<b>NPD NPD</b>	
Durability Flow resistance at elevated temperature after ageing	<b>90°C</b>	
Flexibility at low temperature	<b>-16°C</b>	
Dangerous substances (Notes 2 and 3)	<b>Complies</b>	

Note 1 : Since external fire performance depends on the other components of the roof build-up, no performance can be given.

Note 2 : This product does not contain asbestos or tar constituents.

Note 3 : Since there is no European test method available, no performance declaration for leaching behavior can be made. It must be made according to national rules in force in the place of use.

Additional characteristics	SOPRAFIX HP
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,4 %
*MLV = Manufacturer's Limiting Value: Minimum or maximum value as started by the manufacturer to be met during testing of type, internal quality control or external supervision with a confidence level of 95 %	