

TECHNICAL DATA SHEET



n° WPBFR221/b cancels and replaces WPBFR221/a

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		CONFORT	
Dimensions of the roll	10 m x 1 m	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		

Roll lengths are given with a tolerance of ≤ 1 %. 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.

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 $+ 2^{\circ}$ C ($+ 36^{\circ}$ F) for at least 5 hours before installation.

SOPREMA SAS with a Capital of 50 000 000 € - Headquarter: 14 rue de Saint-Nazaire - 67100 STRASBOURG - FRANCE Postal adress: CS 60121 - 67025 STRASBOURG CEDEX. RCS STRASBOURG: 314 527 557.SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.

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Characteristics (off CE marking)

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Static puncture resistance (NF P 84-352)	151 (15)
 with SOPRAFIX AR (or ELASTOPHENE FLAM 25 AR) with SOPRALENE FLAM 180 AR 	≥ 15 kg (L3) ≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353)	- 3 ()
 with SOPRAFIX AR (or ELASTOPHENE FLAM 25 AR) 	≥ 20 J (D3)
- with SOPRALENE FLAM 180 AR	≥ 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.

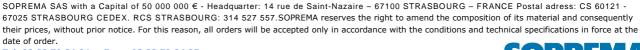
Traceability:

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**.





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CE marking



1119

SOPRAFIX HP

SOPREMA

14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex

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Construction Product Regulation (CPR)

Declaration of Performance: DoP no WPBFR221

Certificate of Factory Production Control: 1119-CPR-13132, 13133, 13134.

EN 13707

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 $7 \text{ m} \times 1 \text{ m} \times 2.6 \text{ mm}$.

Underlayer mechanically fastened, with self-adhesive overlap and welded.

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

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	
Additional characteristics	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 %

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