

SOPRAFIX HP 4MM

Description

SOPRAFIX HP 4MM is a flexible SBS elastomeric bitumen waterproofing membrane with a stabilized glass/polyester reinforcement.

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

SOPRAFIX HP 4MM will be mechanically fixed according to the **European Technical Approval** ETA-06/0033 Soprafix 2 layers.

Composition

	SOPRAFIX HP 4MM
Reinforcement	Stabilized glass/polyester
Binder	Elastomeric bitumen*: blend of selected bitumen and SBS thermoplastic polymers.
Thickness	4 mm ±0.2
Underside	Fine sand
Topside	Thermofusible film
Overlap	10 cm (with a coloured line at 5 cm from the edge for fastener positioning)

*According to UEAtc directives concerning the normalisation of waterproof elastomeric SBS bitumen coverings.

Characteristics

	SOPRAFIX HP 4MM	
	MDV ¹	MLV ²
Tensile Strength (EN 12311-1)		
-longitudinal	700 N/ 5cm	500 N/ 5cm
-transversal	550 N/ 5cm	350 N/ 5cm
Elongation with maximum force (EN 12311-1)		
-longitudinal	10 %	4 %
-transversal	10 %	4 %
Resistance to nail tearing (EN 12311-1)		
-longitudinal	170 N	150 N
-transversal	220 N	150 N
Low temperature flexibility (EN 1109)	No cracks at - 20°C	No cracks at - 16°C
High temperature resistance (EN 1110)	105 °C	100°C
Dimensional stability at 80°C (1107-1)	0,2 %	0,4 %
Static puncture resistance (NF P 84-352) with		
- ELASTOPHENE (FLAM) 25 AR	15 kg (L3)	
- SOPRALENE FLAM 180 AR	25 kg (L4)	
Dynamic puncture resistance (NF P 84-353) with		
- ELASTOPHENE (FLAM) 25 AR	20 Joules (D3)	
- SOPRALENE FLAM 180 AR	≥ 20 Joules (D3)	

⁽¹⁾MDV = Manufacturer's determined value: An arithmetic mean value of a minimum number of independent measurements.

⁽²⁾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 %.

Packaging

	SOPRAFIX HP 4MM
Roll dimensions	8 m x 1 m
Roll weight	about 39 kg
Storage	Upright on pallet with plastic wrapping, protected against moisture

Roll lengths are given with a tolerance ± 1 cm. Roll can be cut in two parts. In this case, the shortest length is 3 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 height of two pallets 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. The aluminum and copper sheet protection tend to rust when sheets are stocked in closed rolls and exposed to humidity. Eventual rust stains are solely appearance-related and in no case affect the product's lifespan. To avoid rusting, rolls must be stacked away from the elements.

User application

SOPRAFIX HP 4MM is mechanically fastened as a first layer in all two-ply self-protected elastomeric bitumen waterproofing systems. Can be used for new construction work or for renovation.

All the applications are described in French Standards DTU, Technical Guidelines or Technical Approvals. For further details refer to specific technical information.

Installation

SOPRAFIX HP 4MM must be laid semi-independently by unrolling the sheet on the substrate and mechanically fastening the overlap. All the joints must be sealed by heat welding or torch-on techniques.

This product requires a second layer of self protected elastomeric waterproofing.

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.

Quality control:

SOPREMA has always attached the highest importance to Quality Control.


For this reason, we operate an independently monitored Quality Assurance System in compliance with **BS EN ISO 9001: 2008**, certified by **BSI Management System**.



CE Marking

SOPRAFIX HP 4MM is a flexible membrane for roof waterproofing and complies with EN 13707, thereby bearing the CE standard marking.

General information concerning the CE marking, expressed in MLV, can be found below. For more information, please refer to the relevant Declaration of Conformity.

 CSTB 0679	
<p><u>SOPRAFIX HP 4MM</u> SOPREMA S.A.S. B.P. 60121 – 14, rue de St-Nazaire 67025 STRASBOURG CEDEX 1 10 Certificate of Factory Production Control 0767-BPR-1908</p>	
<p><u>EN 13707</u> Membrane composed of modified elastomeric bitumen and a stabilized glass/polyester reinforcement. Topside is covered with a thermofusible film and the underside is covered with fine sand. Dimensions : 8 m x 1 m x 4 mm.</p> <p>Membrane must be used as underlayer and not be used as single layer application. Thermofusible cannot be laid with hot bitumen.</p>	
Classification for external fire exposure (EN 13501-5)	B-Roof T3 with a self-protected 2nd layer
Reaction to fire (EN 13501-1)	E
Tensile Strength in longitudinal direction (EN 12311-1)	700 N/ 5cm
Tensile Strength in transverse direction (EN 12311-1)	550 N/ 5cm
Elongation in longitudinal direction (EN 12311-1)	4 %
Elongation in transversal direction (EN 12311-1)	4 %
Low temperature flexibility (EN 1109)	- 16 °C
Flow resistance at high temperature (EN 1110)	100 °C
Watertightness (EN 1928)	Conform
Tear resistance (EN 12310-1)	
-longitudinal	150 N
-transversal	150 N

SOPRAFIX HP is used in the waterproof **SOPRAFIX 2 layers** kit and bears the CE mark in compliance with ETA-06/0033.