

# SOPRALENE FLAM JARDIN

**SOPRALENE FLAM JARDIN** is a SBS elastomeric bitumen waterproofing membrane with a non-woven reinforcement. Bitumen mass contains anti-root penetration properties preventing the penetration of roots through the waterproofing systems and complies with EN 13948. The topside is protected by slate chippings and the underside is covered by a thermofusible film.

## User application

**SOPRALENE FLAM JARDIN** is used as finishing layer for green roofs and vegetated roofs in all two-ply anti-root elastomeric bitumen waterproofing systems, for flashing waterproofing, buried walls and multi-functions terraces. To be used outside only.

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

## Composition

		SOPRALENE FLAM JARDIN
Reinforcement		Non-woven polyester
Binder		Elastomeric bitumen : blend of selected bitumen, SBS* thermoplastic polymers and anti-root penetration properties
Thickness	On overlap	3,2 mm (-5 % ; +5 %)
Topside		Slate chippings
Underside		Thermofusible film
Overlap		≥ 60 mm
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings		

## Packaging

		SOPRALENE FLAM JARDIN	
Dimensions of the roll		Standard* 5 m x 1 m	Export 8 m x 1 m
Weight of the roll		about 25 kg	about 35 kg
Storage		Upright on pallet with plastic wrapping	
<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.            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>			

\*Prevents from the arduousness for roofers on worksite

## Characteristics (off CE marking)

	SOPRALENE FLAM JARDIN
Static puncture resistance (NF P 84-352) - with <b>ELASTOPHENE FLAM 25</b>	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353) - with <b>ELASTOPHENE FLAM 25</b>	≥ 20 J (D3)
FIT classification: - with <b>ELASTOPHENE FLAM 25</b>	F5 I5 T4

## Installation

**SOPRALENE FLAM JARDIN** must be applied only by heat welding or torch-on techniques.

Hot bitumen must not be used in the bonding process.

## 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>SOPRALENE FLAM JARDIN</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° WPBFR235 Certificate of Factory Production Control : 1119-CPR-13132, 13133, 13134 (EN 13707). Certificate of Factory Production Control : 1119-CPR-13136, 13137, 13138 (EN 13969).
<b>EN 13707 / EN 13969</b>  Membrane composed of anti-root modified elastomeric bitumen and non-woven reinforcement. Topside is protected with slate chippings and underside is covered by a thermofusible film. Dimensions : 8 m or 5 m x 1 m x 3,2 mm. Applied by torch-on techniques. Finishing layer for green roofs.

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>
Root resistance	<b>Conform</b>	
Peel resistance of joints (N / 50 mm)	<b>≥ 100</b>	
Durability Flow resistance at elevated temperature after ageing	<b>90°C</b>	<b>EN 13969:2004</b>
Durability Watertightness after ageing	<b>Conform</b>	
Resistance to static loading – Method B (kg)	<b>15</b>	<b>EN 13707:2004 + A2:2009  EN 13969:2004</b>
Reaction to fire	<b>E</b>	
Watertightness	<b>Conform</b>	
Resistance to impact – Method A (mm)	<b>1000</b>	
Shear resistance of joints (N / 50 mm)	<b>≥ 400</b>	
Flexibility at low temperature	<b>-16°C</b>	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	<b>≥ 550 x 400 30 x 30</b>	
Resistance to static loading – Method A (kg)	<b>20</b>	
Resistance to tearing (N)	<b>≥ 200</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	SOPRALENE FLAM JARDIN
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,5 %

\*MLV = Manufacturer's Limiting Value: Minimum 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 %