

## SOPRALENE FLAM UNILAY AR FE

**SOPRALENE FLAM UNILAY AR FE** is a torch-on bituminous waterproofing membrane with a non-woven polyester reinforcement and a SBS elastomeric bitumen. The topside is self-protected by slate chippings and the underside is protected by a thermofusible film.

**SOPRALENE FLAM UNILAY AR FE** contains fire-retardant additives that allows to obtain a BROOF(t3) external fire rating.

### User application

**SOPRALENE FLAM UNILAY AR FE** is used as self-protected unilay waterproofing membrane.

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

### Composition

SOPRALENE FLAM UNILAY AR FE	
Reinforcement	Non-woven polyester
Binder	Elastomeric bitumen*: blend of selected bitumen and SBS thermoplastic polymers + flame retardant additives
Thickness	
Overlap	4,0 mm (-5 % ; +5 %)
Topside	Slate chippings
Underside	Thermofusible film
Width of the overlap	≥ 80 mm
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings	

### Packaging

SOPRALENE FLAM UNILAY AR FE	
Dimensions of the roll	8 m x 1 m
Weight of the roll	about 46 kg
Colour	Black, Grey, Matisse Brown, Gaugin Red, Véronèse Green, Cézanne Siena, Chagall Grey or Van Gogh Ochre
Storage	Upright on pallet with plastic wrapping
<p>Roll lengths are given with a tolerance of &lt; 1 %.</p> <p>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.</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.</p> <p>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)

	SOPRALENE FLAM UNILAY AR FE
Resistance to static loading (NF P 84-352)	≥ 25 kg (L4)
Resistance to dynamic loading (NF P 84-353)	≥ 10 J (D2)
FIT classification as unilay	F5 I4 T4

## Installation

**SOPRALENE FLAM UNILAY AR FE** must be only applied 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

CE
1119
SOPRALENE FLAM UNILAY AR FE
<p><b>SOPREMA</b> 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex</p>
11
<p>Declaration of Performance: DoP n° WPBFR236 Certificate of Factory Production Control: 1119-CPR-13132, 13133, 13134</p>
EN 13707
<p>Membrane composed of modified elastomeric bitumen and a non-woven reinforcement. Topside is protected with slate chippings and underside is covered by a thermofusible film. Dimensions : 8 m x 1 m x 4 mm. Applied by torch-on techniques.</p>

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	FROOF (t1,t2,t3,t4)	<b>EN 13707:2004 + A2:2009</b>
Reaction to fire	E	
Watertightness	Conform	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	≥ 550 x 400 30 x 30	
Root resistance	NPD	
Resistance to static loading (kg)	20	
Resistance to impact (mm)	1000	
Resistance to tearing (N)	≥ 200	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	≥ 100 ≥ 400	
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	SOPRALENE FLAM UNILAY AR FE
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,5 %
*MLV= Manufacturer's Limiting Value: Minimum value stated by the manufacturer to be met during Quality System	