

# TECHNICAL DATA SHEET



EGROUP

n° WPBFR238/b cancels and replaces WPBFR238/a

# **SOPRALENE FLAM UNILAY AR**

**SOPRALENE FLAM UNILAY AR** is a SBS elastomeric bitumen waterproofing membrane with a composite polyester / glass reinforcement.

The topside is protected by slate chippings and the underside is covered by a thermofusible film.

### **User application**

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

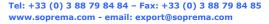
# **Packaging**

	SOPRALENE FLAM UNILAY AR	
Dimensions of the roll	8 m x 1 m	
Weight of the roll	about 46 kg	
Colours	Black, Grey, Matisse brown, Gauguin red, Veronese green, Cezanne sienna, Chagall white, Van Gogh ochre or D-TOX white	
Storage	Upright on pallet with plastic wrapping	

Roll lengths are given with a tolerance of  $\leq 1$  %.

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 address: 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)

	SOPRALENE FLAM UNILAY AR
Static puncture resistance (NF P 84-352)	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353)	≥ 20 J (D3)
FIT classification when used as monolayer	F5 I5 T4

#### Installation

**SOPRALENE FLAM UNILAY AR** 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.

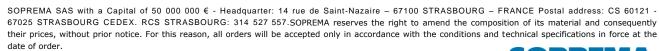
#### **Traceability:**

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**.





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### **CE** marking



#### 1119

#### **SOPRALENE FLAM UNILAY AR**

#### **SOPREMA**

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

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Construction Product Regulation (CPR)

Declaration of Performance: DoP n° WPBFR238

Factory Production Controls 2007 CPR 13133 13133 13

### Certificate of Factory Production Control: 2007-CPR-13132, 13133, 13134

#### EN 13707

Membrane composed of modified elastomeric bitumen and composite polyester / glass reinforcement. The topside is protected by slate chippings and the underside is covered by a thermofusible film. Dimensions:  $8 \text{ m} \times 1 \text{ m} \times 4,0 \text{ mm}$ .

Applied by torch-on techniques.

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 (%)	≥ 800 x 800 40 x 40	
Root resistance	NPD	
Resistance to static loading (kg)	20	EN 13707:2004
Resistance to impact (mm)	1750	+
Resistance to tearing (N)	≥ 250	A2:2009
Joint strength		
Peel resistance of joints (N / 50 mm)	≥ 100	
Shear resistance of joints (N / 50 mm)	≥ 800	
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			
Additional characteristics	MLV*			
Flow resistance at elevated temperature (EN 1110)	100 °C			
Dimensional stability (EN 1107-1)	0,3 %			
*MLV= Manufacturer's Limiting Value: Minimum value stated by the manufacturer to be met during Quality System				

