

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 in elastomeric bitumen waterproofing systems.

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
Storage	Upright on pallet with plastic wrapping
<p>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.</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. 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 (outside 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**.

CE marking

 1119
SOPRALENE FLAM UNILAY AR SOPREMA 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex 09 Construction Product Regulation (CPR) Declaration of Performance : DoP n° WPBFR238 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 m x 1 m x 4,0 mm. Applied by torch-on techniques. Self-protected unilayer.

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	F_{ROOF} (t1,t2,t3,t4)	EN 13707:2004 + A2:2009
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	
Resistance to impact (mm)	1750	
Resistance to tearing (N)	≥ 250	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	≥ 100 ≥ 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
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,3 %

*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 %