

## SOPRAFIX UNILAY AR/AR FE

**SOPRAFIX UNILAY AR / AR FE** is a flexible SBS elastomeric bitumen waterproofing membrane with a composite polyester/glass reinforcement.

The topside is self-protected and covered by slate chippings and the underside is covered by fine sand.

Lineage of the fasteners axis on the overlap is 5 cm from the edge.

**SOPRAFIX UNILAY AR FE** contains fire resistant additives and allows to obtain a classification for external fire exposure Broof (t3).

### User application

**SOPRAFIX UNILAY AR / AR FE** is used as monolayer mechanically fastened on the overlap. Lineage shows the fasteners place.

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

### Composition

SOPRAFIX UNILAY AR / AR FE	
Reinforcement	Composite polyester / glass
Binder	Elastomeric bitumen : blend of selected bitumen and SBS* thermoplastic polymers
Thickness MDV <sup>(1)</sup> according to 13707 Minimum on overlap	4,7 mm (- 0 %; + 10%) 4,0 mm (- 5% ; + 5%)
Topside	Natural or coloured slate chippings
Underside	Fine sand
Overlap	12 cm
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings.	

### Packaging

SOPRAFIX UNILAY AR / AR FE	
Dimensions of the roll	8 m x 1 m
Weight of the roll	about 47 kg
Colours	Black, Grey, Matisse brown, Gauguin red, Veronese green, Cezanne sienna, Chagall grey or Van Gogh ochre
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 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 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.	

## Characteristics (outside CE marking)

	<b>SOPRAFIX UNILAY AR / AR FE</b>
Static puncture resistance (NF P 84-352)	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353)	≥ 20 J (D3)

## Installation

**SOPRAFIX UNILAY AR / AR FE** is mechanically fastened and torched-on on the overlap.

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>SOPRAPHIX UNILAY AR / AR FE</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° WPBFR224 Certificate of Factory Production Control : 1119-CPR-13132, 13133, 13134.
<b>EN 13707</b> Membrane composed of modified elastomeric bitumen and composite polyester/glass reinforcement. Topside is covered with slate chippings and the underside is covered by fine sand. Dimensions 8 m x 1 m x 4,7 mm. Monolayer mechanically fastened, overlap welded.

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	<b>F<sub>ROOF</sub> (t1,t2,t3,t4)</b>	<b>EN 13707:2004 + A2:2009</b>
Reaction to fire	<b>E</b>	
Watertightness	<b>Conform</b>	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	<b>≥ 900 x 750 40 x 30</b>	
Root resistance	<b>NPD</b>	
Resistance to static loading (kg)	<b>20</b>	
Resistance to impact (mm)	<b>1500</b>	
Resistance to tearing (N)	<b>≥ 200 x 300</b>	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	<b>≥ 100 ≥ 750</b>	
Durability Flow resistance at elevated temperature after ageing	<b>90°C</b>	
Flexibility at low temperature	<b>-16°C</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	SOPRAPHIX UNILAY AR / AR FE
	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 %	