

# SOPRAFIX UNILAY STICK AR

## Description

**SOPRAFIX UNILAY STICK AR** is a flexible lightweight SBS elastomeric bitumen waterproofing membranes with a composite glass/polyester reinforcement. The topside is protected by slate chippings and the underside is covered with fine sand.

This unilay layer will be mechanically fixed according to the **European Technical Approval** ETA-06/0244 Soprafix Unilay.

**SOPRAFIX UNILAY STICK AR** includes a double overlap, self-adhesive overlap + torched or heat welded ensuring an easy and reliable installation.

## Composition

	<b>SOPRAFIX UNILAY STICK AR</b>
Reinforcement	Composite (260 g/m <sup>2</sup> )
Binder	Elastomeric bitumen* : blend of selected bitumen and SBS thermoplastic polymers
Thickness	≥ 3.5 mm on overlap 4.2 mm on slates
Surface weight	about 4.8 kg/m <sup>2</sup>
Topside	Slate chippings
Underside	Fine sand
Overlapping side	12 cm (8 self-adhesive + 4 film) (with a coloured line at 5 cm from the edge for fastener positioning)

\*According to UEAtc directives concerning the normalisation of waterproof elastomeric SBS bitumen coverings.

## Characteristics

	<b>SOPRAFIX UNILAY STICK AR</b>	
	MDV <sup>1</sup>	MLV <sup>2</sup>
Tensile Strength (EN 12311-1) -longitudinal -transversal	1300 N/ 5cm 1200 N/ 5cm	1100 N/ 5cm 1000 N/ 5cm
Elongation with maximum force (EN 12311-1) -longitudinal -transversal	10 % 10 %	4 % 5 %
Low temperature flexibility (EN 1109)	No observed cracks at -20°C	No observed cracks at -16°C
High temperature resistance (EN 1110)	105°C	100°C
Dimensional stability at 80°C (EN 1107-1)	0,2 %	0,4 %
Resistance to nail tearing (EN 12310-1) -longitudinal -transversal	350 N 300 N	300 N 250 N
Static puncture resistance (NF P 84-352)	25 kg (L4)	
Dynamic puncture resistance (NF P 84-353)	20 Joules (D3)	

<sup>(1)</sup>MDV = Manufacturer's determined value: An arithmetic mean value of a minimum number of independent measurements.

<sup>(2)</sup>MLV = Manufacturer's limiting value: Minimum or maximum 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 %.

## Packaging

<b>SOPRAFIX UNILAY STICK AR</b>	
Roll dimensions	10 m x 1 m
Roll weight	about 48 kg
Standard colours	Black, Grey, Matisse brown, Gaugin red, Véronèse green, Cézanne sienna, Chagall grey, Van Gogh ochre
Storage	Upright on pallet with plastic wrapping, protected against moisture

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  $+ 2^{\circ}\text{C}$  ( $+ 36^{\circ}\text{F}$ ) for at least 5 hours before installation.

## User application

**SOPRAFIX UNILAY STICK AR** is mechanically fastened as an unilay layer self-protected elastomeric bitumen waterproofing system.

Can be used for new construction work or for renovation.

All the applications are described in French Standards DTU, Technical Guidelines or Technical Approvals. For further details refer to specific technical information.

## Installation

**SOPRAFIX UNILAY STICK AR** must be laid semi-independently by unrolling the sheet on the substrate and mechanically fastening the overlap. The self-adhesive part of the overlap must be laid and the second part must then be torch-on or welded with hot air.

## 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.

### Quality control:

**SOPREMA** has always attached the highest importance to Quality Control.


For this reason, we operate an independently monitored Quality Assurance System in compliance with **BS EN ISO 9001**, certified by **BSI Management System**.



**CE Marking**

**SOPRAFIX UNILAY STICK AR** being used for roof waterproofing, this product complies with EN 13707, thereby bearing the CE standard marking.

General information concerning the CE marking, expressed in MLV, can be found below. For more information, please refer to the relevant Declaration of Conformity.

 <b>CSTB 0679</b>	
<p><b><u>SOPRAFIX UNILAY STICK AR</u></b>  <b>SOPREMA S.A.S.</b>          B.P. 60121 – 14, rue de St-Nazaire          67025 STRASBOURG CEDEX 1  <b>06</b>          Certificate of Factory Production Control          0679-CPD-0130</p>	
<p><b><u>EN 13707</u></b>          Membrane composed of modified elastomeric bitumen and a composite glass/polyester reinforcement. Topside is protected with slate chippings and underside is covered with fine sand.          Dimensions: 10 m x 1 m x 4,2 mm.</p> <p>Membrane must be used as top layer or single layer. Thermofusible film cannot be laid with hot bitumen.</p>	
External fire resistance	B ROOF (t3), according to PV from CSTB
Reaction to fire (EN 13501-1)	E
Tensile Strength in longitudinal direction (EN 12311-1)	1100 N/ 5cm
Tensile Strength in transversal direction (EN 12311-1)	1000 N/ 5cm
Elongation in longitudinal direction (EN 12311-1)	4 %
Elongation in transversal direction (EN 12311-1)	5 %
Low temperature flexibility (EN 1109)	- 16 °C
Flow resistance at high temperature (EN 1110)	100 °C
Watertightness (EN 1928)	Conform
Static puncture resistance (EN 12730)	20 kg
Choc resistance (EN 12691)	2000 mm
Flexibility after ageing test (EN 1109 – EN 1296)	-10°C
Flow resistance at high temperature after ageing test (EN 1110 – EN 1296)	90°C
Shear resistance of joints (EN 12317-1)	1000 N/5 cm
Tear resistance (EN 12310-1)	
-longitudinal	300 N
-transverse	250 N


**SOPRAFIX UNILAY STICK AR** also meets CE requirements according to ETA-06/0244.

**CE MARKING  
ANNEX ZA**

According to ATE 06/0244.  
In compliance with ETAG  
006

**SOPRAFIX UNILAY STICK AR** is a flexible membrane for roof waterproofing, and complies with EN 13707, confirmed by the CE standard marking. **SOPRAFIX UNILAY STICK AR** are used in the mechanically fastened waterproof kit, SOPRAFIX Unilay layer, this membrane complies with ETAG 006 as bears the CE mark in accordance with ATE 06/0244 which confirms the use of these membranes for their given purpose in roof work.

General information concerning the CE marking, expressed in MLV, can be found below. For more information, please refer to the relevant Declaration of Conformity.

 <b>CSTB 0679</b>	
<p><b><u>SOPRAFIX UNILAY STICK AR</u></b>  <b>SOPREMA S.A.S.</b>          B.P. 60121 – 14, rue de St-Nazaire          67025 STRASBOURG CEDEX 1  <b>06</b>          Certificate of Factory Production Control</p>	
<p><b><u>ATE 06/0033</u></b>          Membrane composed of modified elastomeric bitumen and a composite glass/polyester reinforcement. Topside is protected with slate chippings and the underside is covered with fine sand.          Dimensions: 10 m x 1 m x 4,2 mm.</p> <p>Membrane must be used as top layer or single layer. Thermofusible cannot be laid with hot bitumen.</p>	
External fire resistance	B ROOF (t3), according to PV from CSTB
Reaction to fire (EN 13501-1)	Euroclass F
Tensile Strength in longitudinal direction (EN 12311-1)	1100 N/ 5cm
Tensile Strength in transversal direction (EN 12311-1)	1000 N/ 5cm
Elongation in longitudinal direction (EN 12311-1)	4 %
Elongation in transversal direction (EN 12311-1)	5 %
Low temperature flexibility (EN 1109)	- 16 °C
Watertightness (EN 1928)	Conform
Static puncture resistance (EN 12730)	20 kg
Flexibility after ageing test (EN 1109 – EN 1296)	-10°C
Flow resistance at high temperature after ageing test (EN 1110 – EN 1296)	90°C
Shear resistance of joints (EN 12317-1)	1000 N/5 cm
Tear resistance (EN 12310-1)	
-longitudinal	300 N
-transversal	250 N