

# STYRBASE STICK

**STYRBASE STICK** is flexible SBS elastomeric bitumen waterproofing membrane with a composite polyester/glass reinforcement.

The topside is protected by a thermofusible film and includes a self-adhesive overlap protected by a releasable silicone film. The underside is protected by a macro-perforated film and includes a self-adhesive overlap protected by a releasable silicone film.

## User application

**STYRBASE STICK** is used as first layer for loose-laid system under protection.

All the applications are described in Technical Approval **ELASTOPHENE FLAM / SOPRALENE FLAM** or **SOPREMA's** Technical Guidelines in force.

## Composition

		STYRBASE STICK
Reinforcement		Composite polyester / glass
Binder		Elastomeric bitumen : blend of selected bitumen and SBS* thermoplastic polymers
Thickness	On overlap	2,6 mm (-5 % ; +5 %)
Topside		Overlap with silicone release film + thermofusible film
Underside		Macro-perforated film + overlap with silicone release film
Overlap		≥ 60 mm ( self-adhesive overlap)
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings		
<sup>(1)</sup> MDV = Manufacturer's Declared Value		

## Packaging

		STYRBASE STICK	
Dimensions of the roll		Standard* 7 m x 1 m	Export 10 m x 1 m
Weight of the roll		about 25 kg	about 34 kg
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°C (+ 36 °F) for at least 5 hours before installation.			

\*Prevents from the arduousness for roofers on worksite

## Characteristics (outside CE marking)

	STYRBASE STICK
Static puncture resistance (NF P 84-352) - with <b>ELASTOPHENE FLAM 25</b>	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353) - with <b>ELASTOPHENE FLAM 25</b>	≥ 20 J (D3)
FIT classification: - with <b>ELASTOPHENE FLAM 25</b>	F5 I5 T4

## Installation

**STYRBASE STICK** is unrolled directly on the substrate, without independence screen. Longitudinal overlap are self-adhered on 60 mm and transversale overlaps are welded on 100, after removing the protecting silicone film.

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>STYRBASE STICK</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° WPBFR249 Certificate of Factory Production Control : 1119-CPR-13132, 13133, 13134.
<b>EN 13707</b> Membrane composed of modified elastomeric bitumen and a composite polyester / glass reinforcement. Topside is covered by a thermofusible film and underside is covered by a macro-perforated film. Dimensions : 10 m or 7 m x 1 m x 2,6 mm. Applied with self-adhesive overlaps.

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	<b>FROOF (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>≥ 550 x 400 30 x 30</b>	
Root resistance	<b>NPD</b>	
Resistance to static loading (kg)	<b>20</b>	
Resistance to impact (mm)	<b>1000</b>	
Resistance to tearing (N)	<b>≥ 200</b>	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	<b>NPD NPD</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	STYRBASE STICK
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,4 %
*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 %	