

SOPRAVAP STICK ALU S 16

SOPRAVAP STICK ALU S 16 is a self-adhesive flexible SBS elastomeric bitumen water vapour control layer with a composite glass grid / aluminium reinforcement. The topside is protected by fine sand and the self-adhesive underside is protected by a silicone release film.

User application

SOPRAVAP STICK ALU S 16 is used as a self-adhesive vapour barrier on steel deck or concrete.

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

Composition

	SOPRAVAP STICK ALU S 16
Reinforcement	Composite glass grid - aluminium
Binder	Elastomeric bitumen : blend of selected bitumen and SBS* thermoplastic polymers
Thickness	1,6 mm (-5 % ; +5 %)
Topside	Fine sand
Underside	Self-adhesive protected by a silicone release film
Overlap	≥ 80 mm (3 cm of self-adhesive + 5 cm weldable)
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings	

Packaging

	SOPRAVAP STICK ALU S 16	
Dimensions of the roll	Standard* 14 m x 1,08 m	Export 20 m x 1,08 m
Weight of the roll	about 25 kg	about 29 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)

SOPRAVAP STICK ALU S 16	
MLV*	
Flow resistance at elevated temperature (EN 1110)	100°C
Puncture resistance (internal test)	150 kg
*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 %	
Classification of emission for volatile substances in indoor air	A+

Installation

SOPRAVAP STICK ALU S 16 is self-adhered directly onto dusted steel deck or concrete. The longitudinal overlap is self-adhered on 3 cm width then welded on 5 cm width. Transverse overlaps are about 10 cm and can be welded or cold bonded. A primer is recommended on concrete

- Brush and dry the support
- Apply the primer (on concrete)
- Unroll, place and adjust the roll
- Peel back a few centimeters of the silicone release film
- Proceed by laying this part onto the substrate
- Hold the membrane and pull off the silicone release film while carefully pressing down on it to avoid any bumps and air bubbles
- Recommended laying temperature + 10°C

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


SOPRAVAP STICK ALU S 16
SOPREMA 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex 07 Declaration of Performance : DoP n° WPBFR105
EN 13970
Membrane composed of modified elastomeric bitumen and a glass grid / aluminium reinforcement. Topside is covered by fine sand and underside is protected by a protected by a silicone release film. Dimensions: 14 m or 20 m x 1,08 m x 1,6 mm. Membrane is used as vapour barrier under insulation boards. Must be applied only by self-adhering.

Essential characteristics	Performances	Harmonised Technical Specification
Reaction to fire	E	EN 13970:2004
Watertightness	Conform	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	≥ 900 x 900 3 x 3	
Resistance to impact (mm)	150	
Shear resistance of joints (N / 50 mm)	≥ 500	
Flexibility at low temperature	-20°C	
Resistance to tearing (N)	≥ 200	
Durability (resistance to humidity) Against artificial ageing Against chemicals	Conform NPD	
Properties of water vapour transmission (resistance to humidity)	≥ 1,2 10⁶	
Dangerous substances (Notes 1 and 2)	Complies	

Note 1 : This product does not contain asbestos or tar constituents.

Note 2 : 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.