SOPREMA
Solutions for bituminous waterproofing

TECHNICAL DATA SHEET

n° WPBFR216/1/c cancels and replaces **WPBFR216/1/b**

CE

SOPRALAST 50 TV ALU

SOPRALAST 50 TV ALU is a flexible SBS elastomeric bitumen waterproofing membrane with a glass grid + glass fleece reinforcement.
The topside is protected by an embossed aluminium foil and the underside is covered by a thermofusible film.

User application

SOPRALAST 50 TV ALU is used as self-protected finishing layer in all two-ply elastomeric bitumen waterproofing system and can be used for upstands.

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

Composition

	SOPRALAST 50 TV ALU
Reinforcement	Glass grid + glass fleece
Binder	Elastomeric bitumen : blend of selected bitumen and SBS* thermoplastic polymers
Thickness On overlap	3,7 mm (-5 % ; +5 %)
Topside	Embossed aluminum foil - Thickness: 0,08 mm (-0,015 mm) Colours: alu, white or grey
Underside	Thermofusible film
Overlap	≥ 60 mm

*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings
(1) MDV = Manufacturer's Declared Value

Packaging

	SOPRALAST 50 TV ALU	
Dimensions of the roll	Standard* 6 m x 1 m	Export 8 m x 1 m
Weight of the roll	about 25 kg	about 33 kg
Storage	Upright on pallet with plastic wrapping	

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.
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.
The aluminium of the membrane self-protected with this metal may have corrosion spots when membrane are stored in unopened rolls and exposed to moisture. These spots are only appearance defects and do not, in anyway, affect the function and durability of the products. To minimize the risk of these corrosion spots, rolls must be stored away from bad weather (under plastic cover as for example)

*Prevents from the arduousness for roofers on worksite

SOPREMA SAS with a Capital of 50 000 000 € - Headquarter: 14 rue de Saint-Nazaire – 67100 STRASBOURG – FRANCE Postal adress: CS 60121 - 67025 STRASBOURG CEDEX. RCS STRASBOURG: 314 527 557.SOPREMA reserves the right to amend the composition of its material and consequently their prices, without prior notice. For this reason, all orders will be accepted only in accordance with the conditions and technical specifications in force at the date of order.
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SOPREMA GROUP

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Characteristics (outside CE marking)

	SOPRALAST 50 TV ALU
FIT classification: - with **ELASTOPHENE FLAM 70-25** underlayer - with **ELASTOPHENE FLAM 180-25** underlayer	 F5 I3 T4 F5 I5 T4

Classification of emission for volatile substances in indoor air	A+

The characteristics of **SOPRALAST 50 TV ALU** are compliant to the requirements of the standard NF P 84-316 (type TV th) in all respects except for surface mass; on this point, the gap is due to the replacement of nonstick sand by a thermofusible film with no consequence on the functional properties.

Installation

SOPRALAST 50 TV ALU is applied only by 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**.

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CE marking (according to EN 13707)

1119

SOPRALAST 50 TV ALU

SOPREMA
14 rue de Saint-Nazaire – CS 60121
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06
Construction Product Regulation (CPR)
Declaration of Performance : DoP n° WPBFR216
Certificate of Factory Production Control : 1119-CPR-13132, 13133, 13134.

EN 13707

Membrane composed of modified elastomeric bitumen and a glass grid/glass fleece reinforcement.
Topside is protected with an embossed metal foil and underside is covered by a thermofusible film.
Dimensions : 8 m or 6 m x 1 m x 3,7 mm.
Applied by torch-on techniques. Finishing layer as well as for upstands.

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 (%)	 ≥ 600 x 600 2 x 2	
Root resistance	NPD	
Resistance to static loading (kg)	5	
Resistance to impact (mm)	1750	
Resistance to tearing (N)	≥ 150	
Joint strength Peel resistance of joints (N / 50 mm) Shear resistance of joints (N / 50 mm)	 NPD NPD	
Durability Flow resistance at elevated temperature after ageing	 70°C	
Flexibility at low temperature	-10°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	SOPRALAST 50 TV ALU
	MLV*
Flow resistance at elevated temperature (EN 1110)	80 °C
Dimensional stability (EN 1107-1)	0,5 %
*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 %	

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CE marking (according to EN 13970)

SOPRALAST 50 TV ALU

SOPREMA
14 rue de Saint-Nazaire – CS 60121
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06
Declaration of Performance : DoP n° WPBFR107

EN 13970

Membrane composed of modified elastomeric bitumen and a glass grid/glass fleece reinforcement.
Topside is protected with an embossed metal foil and underside is covered by a thermofusible film.
Dimensions : 8 m or 6 m x 1 m x 3,7 mm.
Applied by torch-on techniques. Vapour barrier.

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 (%)	 **≥ 600** **2**	
Resistance to impact (mm)	**1750**	
Shear resistance of joints (N / 50 mm)	**≥ 600**	
Flexibility at low temperature	**-10°C**	
Resistance to tearing (N)	**≥ 150**	
Durability (resistance to humidity) Against artificial ageing Against chemicals	 **Conform** **NPD**	
Properties of water vapour transmission (resistance to humidity)	**≥ 1,2 10^6**	
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.

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