

TECHNICAL DATA SHEET



n° WPBEX228/b cancels and replaces WPBEX228/a

SOPRALENE FLAM 40 AR

SOPRALENE FLAM 40 AR is a flexible SBS elastomeric bitumen waterproofing membrane with a nonwoven polyester reinforcement.

The topside is protected by slate chippings and the underside is covered by a thermofusible film.

SOPRALENE FLAM 40 AR has an AENOR certificate and complies with LBM(SBS)-40/G-FP UNE 104242-1:1999.

User application

SOPRALENE FLAM 40 AR is used as finishing layer in all two-ply elastomeric bitumen waterproofing systems.

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

Composition

	SOPRALENE FLAM 40 AR	
Reinforcement	Non-woven polyester	
Binder	Elastomeric bitumen : blend of selected bitumen and SBS* thermoplastic polymers	
Weight	4 kg / m²*	
Thickness (indicative) MDV ⁽¹⁾ according to 13707 Minimum on overlap	3,3 mm (± 0,2 mm) 2,6 mm (± 0,2 mm)	
Topside	Slate chippings	
Underside	Thermofusible film	
Overlap	≥ 80 mm	
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings (1) MDV = Manufacturer's Declared Value		

Packaging

	SOPRALENE FLAM 40 AR	
Dimensions of the roll	10 m x 1 m	
Weight of the roll	about 40 kg	
Storage	Upright on pallet with plastic wrapping	

Roll lengths are given with a tolerance of < 1 %.

Width of roll is given with a tolerance of 1% (UEAtc). Rolls must be stored upright on flat ground.

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.

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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SOPRALENE FLAM 40 AR must be applied by torch-on techniques or by heat welding.

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.

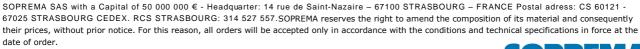
Traceability:

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



1119

SOPRALENE FLAM 40 AR

SOPREMA

14 rue de Saint-Nazaire - CS 60121 67025 STRASBOURG cedex

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Construction Product Regulation (CPR)
Declaration of Performance : DoP no WPBEX228

Certificate of Factory Production Control: 1119-CPR-13132, 13133, 13134.

EN 13707

Membrane composed of modified elastomeric bitumen and non-woven polyester reinforcement. Top side is protected by slate chippings and underside is covered by thermofusible film. Dimensions $10 \text{ m} \times 1 \text{ m} \times 3,3 \text{ mm} \text{ (4 kg/m}^2\text{)}$. Applied by torch-on techniques. Finishing layer.

Essential characteristics	Performances	Harmonised Technical Specification	
Classification for external fire exposure (Note 1)	F _{ROOF} (t1,t2,t3,t4)		
Reaction to fire	E		
Watertightness	Conform		
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	≥ 550 x 400 30 x 30		
Root resistance	NPD		
Resistance to static loading (kg)	20	EN 13707:2004	
Resistance to impact (mm)	1000	+	
Resistance to tearing (N)	≥ 200	A2:2009	
Joint strength			
Peel resistance of joints (N / 50 mm)	NPD		
Shear resistance of joints (N / 50 mm)	NPD		
Durability			
Flow resistance at elevated temperature after ageing	90°C		
Flexibility at low temperature	-16°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	SOPRALENE FLAM 40 AR	
Additional characteristics	MLV*	
Flow resistance at elevated temperature (EN 1110)	100 °C	
Dimensional stability (EN 1107-1)	0,5 %	
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*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 %



