

ELASTOPHENE FLAM S 70-25

ELASTOPHENE FLAM S 70-25 is a SBS elastomeric bitumen waterproofing membrane with a composite polyester / glass reinforcement.
The topside is protected by a thermofusible film and the underside is covered by fine sand.

User application

ELASTOPHENE FLAM S 70-25 is used as first or second layer under protection in all two-ply elastomeric bitumen waterproofing systems. To be used outside only.

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

Composition

ELASTOPHENE FLAM S 70-25	
Reinforcement	Composite polyester / glass
Binder	Elastomeric bitumen: blend of selected bitumen and SBS* thermoplastic polymers
Thickness	2,6 mm (-5 %; +5 %)
On overlap	
Topside	Thermofusible film
Underside	Fine sand
*According to UEAtc directives concerning the normalization of waterproof elastomeric SBS bitumen coverings.	

Packaging

ELASTOPHENE FLAM S 70-25		
Dimensions of the roll	Standard*	Export
	7 m x 1 m	10 m x 1 m
Weight of the roll	about 25 kg	about 34 kg
Storage	Upright on pallet with plastic wrapping	
<p>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.</p>		

*Prevents from the arduousness for roofers on worksite

Characteristics (off CE marking)

ELASTOPHENE FLAM S 70-25	
FIT classification: - with ELASTOPHENE (FLAM) 25 underlayer	F5 I3 T4

Installation

ELASTOPHENE FLAM S 70-25 must be applied only by torch-on techniques or as first layer cold bonded (**SOPRACOLLE 300 N**) onto a compatible surface.

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

 1119
ELASTOPHENE FLAM S 70-25 SOPREMA 14 rue de Saint-Nazaire – CS 60121 67025 STRASBOURG cedex 06 Construction Product Regulation (CPR) Declaration of Performance: DoP n° WPBFR209 Certificate of Factory Production Control: 1119-CPR-13132, 13133, 13134.
EN 13707 Membrane composed of modified elastomeric bitumen and a composite polyester / glass reinforcement. Topside is protected by a thermofusible film and underside is covered by fine sand. Dimensions : 7 m or 10 m x 1 m x 2,6 mm. Applied by torch-on techniques. First or second layer under protection.

Essential characteristics	Performances	Harmonised Technical Specification
Classification for external fire exposure (Note 1)	FROOF (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 (%)	≥ 450 x 300 20 x 20	
Root resistance	NPD	
Resistance to static loading (kg)	15	
Resistance to impact (mm)	600	
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	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	ELASTOPHENE FLAM S 70-25
	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 %	