SOPREMA
Solutions for bituminous waterproofing

TECHNICAL DATA SHEET

n° WPBFR211/b cancels and replaces **WPBFR211/a**

ELASTOPHENE FLAM 180-25

ELASTOPHENE FLAM 180-25 is a SBS elastomeric bitumen waterproofing membrane with a non-woven polyester reinforcement.
Both sides are covered by a thermofusible film.

User application

ELASTOPHENE FLAM 180-25 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 180-25
Reinforcement	Non-woven polyester
Binder	Elastomeric bitumen: blend of selected bitumen and SBS* thermoplastic polymers
Thickness On overlap	2,6 mm (-5 %; +5 %)
Topside	Thermofusible film
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

	ELASTOPHENE FLAM 180-25	
Dimensions of the roll	Standard* 7 m x 1 m	Export 10 m x 1 m
Weight of the roll	about 25 kg	about 31 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.

*Prevents from the arduousness for roofers on worksite

Tel: + 33 (0) 3 88 79 84 84 – Fax. : + 33 (0) 3 88 79 84 85
www.soprema.com - E-mail : export@soprema.com

SOPREMA GROUP

TECHNICAL DATA SHEET

n° WPBFR211/b cancels and replaces **WPBFR211/a**

Characteristics (off CE marking)

	ELASTOPHENE FLAM 180-25
Static puncture resistance (NF P 84-352) - with **ELASTOPHENE FLAM 25**	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353) - with **ELASTOPHENE FLAM 25**	≥ 20 J (D3)

Classification of emission for volatile substances in indoor air	A+

Installation

ELASTOPHENE FLAM 180-25 must be applied only by heat welding or 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**.

Tel: + 33 (0) 3 88 79 84 84 – Fax. : + 33 (0) 3 88 79 84 85
www.soprema.com - E-mail : export@soprema.com

TECHNICAL DATA SHEET

n° WPBFR211/b cancels and replaces **WPBFR211/a**

CE marking

1119

ELASTOPHENE FLAM 180-25

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

06
Construction Product Regulation (CPR)
Declaration of Performance: DoP n° WPBFR211
Certificate of Factory Production Control: 1119-CPR-13132, 13133, 13134 (EN 13707).
Certificate of Factory Production Control: 2007-CPR-13136, 13137, 13138 (EN 13969).

EN 13707 / EN 13969

Membrane composed of modified elastomeric bitumen and non-woven polyester reinforcement.
Both sides are covered by a thermofusible film.
Dimensions : 10 m or 7 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)	F_{ROOF} (t1,t2,t3,t4)	EN 13707:2004 + A2:2009
Root resistance	NPD	
Peel resistance of joints (N / 50 mm)	NPD	
Durability Flow resistance at elevated temperature after ageing	90°C	
Durability Watertightness after ageing	Conform	EN 13969:2004
Resistance to static loading – Method B (kg)	15	
Reaction to fire	E	EN 13707:2004 + A2:2009 EN 13969:2004
Watertightness	Conform	
Resistance to impact – Method A (mm)	1000	
Shear resistance of joints (N / 50 mm)	≥ 400	
Flexibility at low temperature	-16°C	
Tensile properties: Tensile strength L x T (N / 50 mm) Elongation L x T (%)	≥ 550 x 400 30 x 30	
Resistance to static loading – Method A (kg)	20	
Resistance to tearing (N)	≥ 200	
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 180-25
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,5 %
*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 %	

Tel: + 33 (0) 3 88 79 84 84 – Fax. : + 33 (0) 3 88 79 84 85
www.soprema.com - E-mail : export@soprema.com