Solution for TPU waterproofing

TECHNICAL DATA SHEET

n° WPBFR213/b cancels and replaces **WPBFR213/a**

MAMMOUTH NEO BASE SI

MAMMOUTH NEO BASE SI is a waterproofing membrane with self-adhesive discontinuous strips made of composite glass grid / glass fleece reinforcement and **TPU polymer** – 75% bio sourced thermoplastic polyurethane, derived from european-origin vegetable oil.
The topside is protected by a thermofusible film and the underside is covered by semi-continuous strips of self-adhesive bitumen protected by a silicone releasable film.

User application

MAMMOUTH NEO BASE SI is used as self-adhesive first layer of waterproofing systems with self-protected second layer **MAMMOUTH NEO CAP**, laid onto support requiring a semi-loose laid installation. To be used outside only.

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

Composition

	MAMMOUTH NEO BASE SI
Reinforcement	Glass grid / glass fleece
Binder	Mammouth neo
Thickness (excluding self-adhesive strips) On overlap	2,0 mm (-5 % ; +5 %)
Topside	Thermofusible film
Underside	Self-adhesive semi-continuous strips protected by a silicone releasable film
Overlap	≥ 60 mm (self-adhesive overlap)

Packaging

	MAMMOUTH NEO BASE SI
Dimensions of the roll	10 m x 1 m
Weight of the roll	about 26 kg
Storage	Upright on pallet with plastic wrapping – Do not stack
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.	

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

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Characteristics (off CE marking)

	MAMMOUTH NEO BASE SI
Static puncture resistance (NF P 84-352) - with **MAMMOUTH NEO CAP**	≥ 25 kg (L4)
Dynamic puncture resistance (NF P 84-353) - with **MAMMOUTH NEO CAP**	≥ 10 J (D2)
Possible FIT classification with **MAMMOUTH NEO CAP**	F5 I4 T3

Installation

MAMMOUTH NEO BASE SI is semi loose-laid, simply unroll the membrane onto a prepared substrate (insulation or primer may be used), after removing the protecting silicone film.

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

MAMMOUTH NEO BASE SI

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

11
Construction Product Regulation (CPR)
Declaration of Performance : DoP n° WPBFR213
Certificate of Factory Production Control : 1119-CPR-13132.

EN 13707

Membrane composed of **Mammouth Neo** binder and glass grid / glass fleece reinforcement.
Topside is covered by a thermofusible film and underside is protected by releasable silicone film.
Dimensions : 10 m x 1 m x 2,0 mm.
Must be laid entirely through self-adhesion.

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 (%)	 ≥ 800 x 800 1 x 1	
Root resistance	NPD	
Resistance to static loading (kg)	5	
Resistance to impact (mm)	400	
Resistance to tearing (N)	≥ 50	
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	 100°C	
Flexibility at low temperature	-20°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	MAMMOUTH NEO BASE SI
	MLV*
Flow resistance at elevated temperature (EN 1110)	100 °C
Dimensional stability (EN 1107-1)	0,2 %
*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 %	

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