

MAMMOUTH 50 TV ALU FLAM

Description

MAMMOUTH 50 TV ALU FLAM is a flexible oxidized bitumen waterproofing membrane with a composite glass grid/glass fleece reinforcement (according to NF P 84.316).

The topside is protected by an embossed aluminum foil and the underside is covered by a thermofusible film.

Composition

| | MAMMOUTH 50 TV ALU FLAM |
|---------------|--|
| Reinforcement | Composite glass (70g/m ²) |
| Binder | Oxidized bitumen |
| Thickness | 3,7 mm ±0,2 |
| Weight | about 4,4 kg/m ² |
| Topside | Embossed aluminum foil Thickness: 0,08 mm (-0,015 mm) |
| Underside | Thermofusible film |
| Overlap | Thermofusible film, length > 6 cm |

Characteristics

| | MAMMOUTH 50 TV ALU FLAM | |
|---|-----------------------------------|---------------------------------|
| | MDV ¹ | MLV ² |
| Tensile Strength (EN 12311-1) -longitudinal -transverse | 800 N/ 5cm 780 N/ 5cm | 600 N/ 5cm 600 N/ 5cm |
| Elongation (EN 12311-1) -longitudinal -transverse | ≥ 5 % ≥ 5 % | ≥ 3 % ≥ 3 % |
| Low temperature flexibility (EN 1109) | No observed cracks at - 5°C | No observed cracks at 0°C |
| Flow resistance at high temperature (EN 1110) | 85°C (<2mm) | 80°C (<2mm) |

⁽¹⁾MDV = Manufacturer's determined value: An arithmetic mean value of a minimum number of independent measurements.

⁽²⁾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 %.

Packaging

| MAMMOUTH 50 TV ALU FLAM | |
|--------------------------------|--|
| Roll dimensions | 8 m x 1 m |
| Roll weight | about 35 kg |
| Storage | Upright on pallet with plastic wrapping, protected against moisture |

Roll lengths are given with a tolerance of $\leq 1\%$. Roll can be cut in two parts. In this case, the shortest length is 3 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.

User application

MAMMOUTH 50 TV ALU FLAM is to be used as a top layer in all elastomeric, plastomeric or oxidized bitumen waterproofing systems.

All the applications are described in French Standards DTU, Technical Guidelines or Technical Approvals. For further details refer to specific technical information.

Installation

MAMMOUTH 50 TV ALU FLAM must be applied only by torch-on techniques.

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.

Quality control:

SOPREMA has always attached the highest importance to Quality Control.

For this reason, we operate an independently monitored Quality Assurance System in compliance with **BS EN ISO 9001: 2008**, certified by **BSI Management System**.



CE Marking

MAMMOUTH 50 TV ALU FLAM is a flexible membrane for roof waterproofing and complies with EN 13707, thereby bearing the CE standard marking.

General information concerning the CE marking, expressed in MLV, can be found below. For more information, please refer to the relevant Declaration of Conformity.

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|---|------------|
|  CSTB 0679 | |
| <p><u>MAMMOUTH 50 TV ALU FLAM</u> SOPREMA S.A.S. B.P. 60121 – 14, rue de St-Nazaire 67025 STRASBOURG CEDEX 1 06 Certificate of Factory Production Control 0679-CPD-0130 / 0679-CPD-0133 0679-CPD-0602 / 0679-CPD-0393</p> | |
| <p><u>EN 13707</u> Membrane composed of oxidized bitumen and a composite glass grid / glass fleece reinforcement. Topside is protected by an embossed aluminum foil and the underside is covered by a thermofusible film. Dimensions : 8 m x 1 m x 3,7 mm.</p> <p>Must not be applied with hot bitumen.</p> | |
| Classification for external fire exposure (EN 13501-5) | NPD |
| Reaction to fire (EN 13501-1) | E |
| Tensile Strength in longitudinal direction (EN 12311-1) | 600 N/ 5cm |
| Tensile Strength in transverse direction (EN 12311-1) | 600 N/ 5cm |
| Elongation in longitudinal direction (EN 12311-1) | 3 % |
| Elongation in transverse direction (EN 12311-1) | 3 % |
| Low temperature flexibility (EN 1109) | 0 °C |
| Flow resistance at high temperature (EN 1110) | 80 °C |
| Form stability under cyclic temperature change (EN 1108) $\Delta L \geq 0,2\%$ | Conform |
| Watertightness (EN 1928) | Conform |