

## ALUFLEX

**ALUFLEX** is a reflective vapour barrier with a high resistance to tearing. It can be laid, either in the traditional way on discontinuous substrate, either on wall on continuous or discontinuous substrate.

### User application

**ALUFLEX** is used as vapour barrier and / or wind barrier (to improve air permeability of the building).

**ALUFLEX** is a vapour barrier to be used on wall, floor and roof, in compliance with standard NF P 21-204-1 (DTU 31.2 – “timber frame houses and buildings”).

**ALUFLEX** is a vapour barrier to be used on roof in compliance with CSTB guideline 3560 (“Guideline for attics thermal insulation”).

Nota: **ALUFLEX** is not suitable as vapour barrier for mountain climate for **SARKING** system.

### Components

	ALUFLEX
Density	160 ± 15 g/m <sup>2</sup>
Topside	Metallic polyethylene film
Intermediate membrane	HD polyethylene film
Underside	LD polyethylene film

### Packaging

	ALUFLEX
Dimensions of the roll : Length Width	≥ 50 m 1,50 ± 0,02 m
Weight of the roll	about 12 kg
Marking	Each package bearing the CE marking
Packaging	50 wrapped rolls per pallet
Storage	On flat support, away from weather and high temperature variations

## Characteristics - CE marking

**ALUFLEX** is a vapour barrier and complies with standard EN 13984.

Essential characteristics	Performances	Harmonised Technical Specification
Watertightness	<b>Conform</b>	<b>EN 13984 : 2013</b>
Resistance to impact	<b>NPD</b>	
Durability (resistance to humidity): Against artificial ageing In alkaline environment	<b>Conform</b> <b>NPD</b>	
Resistance to tearing L x T (N)	<b>230 x 200</b>	
Joint strength	<b>NPD</b>	
Water vapour transmission properties (Sd in m)	<b>158 [-50 ; +100]</b>	
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	<b>350 x 350</b> <b>14 x 12</b>	
Reaction to fire	<b>F</b>	
Dangerous substances	<b>Complies</b>	

## Characteristics (off CE marking)

Class of volatile substances emission in the indoor air	<b>A+</b>
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## Installation

**ALUFLEX** is laid in compliance with standard NF P 21-204-1 (DTU 31.2 – “timber frame houses and buildings”). It must be placed continuously on the inside of the heated room between the insulation and the inner lining. It concerns the entire outer shell of the housing or heated buildings.

### - **Airtightness system :**

**ALUFLEX** is horizontally unrolled and stapled on the timber frame. To ensure a better airtightness of the building, an overlap of at least 10 cm is required between the sheets. The entire overlaps, horizontal and vertical are jointed continuously with **AIR'STICK** adhesive.

A continuous cord of **AIR'SOPRASEAL INT** sealant is applied to join **ALUFLEX** with all the walls: floor, ceiling and joinery.



# TECHNICAL DATA SHEET



**PROFR009/b** cancels and replaces **PROFR009/a**

## Special indications

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### **Hygiene, health and environment:**

**ALUFLEX** is not classified as dangerous according to French and European regulations.

For further information, please refer to relevant Safety Data Sheet.

### **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**.