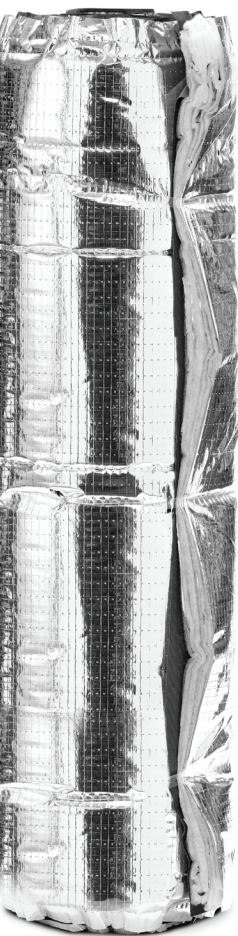


# Aluthermo® MF Pro Breather



Insulation and underlayment in one product, which can be installed alone or combined with another insulation, for optimal thermal performance.

## HOW DOES IT WORK?

A 2-in-1 insulation solution, which consists of multiple layers that are breathable and that allow water vapor to pass through, yet it remain entirely waterproof

### Composition

- 1 A waterproof roof membrane that is highly permeable to water vapor.
- 2 A sequence of recycled polyester wadding, semi-transparent for thermal radiation, again separated by reflective films that allow water vapor to pass through.
- 3 A reinforced underlay membrane with very low emissivity, high reflectivity and water vapor permeability.

**Aluthermo® MF Pro Breather** is designed to allow moisture to escape from inside and prevent moisture from outside. It is used as a shelter on pitched roofs or as a windbreak in wood frame construction. It can be installed alone or in combination with another insulation material.

**Aluthermo® MF Pro Breather** improves the overall thermal resistance of the structure by combining its many qualities with those of **Aluthermo® MF Pro** or **MF Pro Maxx** or any other supplementary insulation.

**Aluthermo® MF Pro Breather** combined with our vapor barrier insulation **Aluthermo® MF Pro** or **MF Pro Maxx**, it maximizes the thermal performance of your home.



## TECHNICAL CHARACTERISTICS

Dimensions of the roll	1,50 x 10 m
Surface area per rol	15 m <sup>2</sup>
Weight	± 1.000 g/m <sup>2</sup>
Thickness	40 mm (±10 %) (EN ISO 29466 à 50 Pa)
Thermal core resistance	Rd = 2,33m <sup>2</sup> .K/W (EN16012)
Thermal resistance with two air gaps	Rd = 3,19 m <sup>2</sup> .K/W (EN 16012)

## DECLARED CHARACTERISTICS

Water resistance	W1
Tensile strength :	
maximum in longitudinal direction	(570+/-15) N/50 mm
maximum in transverse direction	(440+/-12) N/50 mm
Elongation in longitudinal direction	13,5 %
Elongation in transverse direction	10,4 %
Tear resistance in longitudinal direction	(535 +/-13) N
Tear resistance in transverse direction	(515 N +/- 16) N
Sd of complex	Sd = 2,20 m
Sd of top layer	Sd = 0,05 m
Fire resistance classification	Class F

## APPLICATIONS

- On the roof from the outside 
- On the wall from the outside 
- Timber frame

## ADVANTAGES

- Underlayment and insulation in one product
- Easy to install
- Improved thermal performance without adjustment of roof structure
- Reduces thermal bridges
- Saves energy in winter
- Protects against summer heat