

# Factsheet

Thermafleece Breather Membrane is a lightweight vapour permeable underlay designed for use in floors and walls or on top of insulation as a protective layer.

The material meets EN 13859-1 for pitched roofing and EN 13859-2 for walls. Thermafleece Breather Membrane has good water resistance, high breathability and is lightweight and easy to handle. The membrane is coloured black on one side and grey on the other with no text or images on either side.

Thermafleece Breather Membrane comprises 3 layers; two outer layers composed of a non-woven polypropylene and an inner breathable microporous film.

## Key Information

- Width (mm) - 1500
- Vapour open
- UKCA & CE compliant
- Thickness (mm) - <1
- Recyclable
- Highly breathable
- Highly moisture vapour permeable
- Good tensile and nail tear strength
- Excellent waterproofing properties
- 1 month UV resistant

## Specifications

### Performance

Property	Value
Artificial ageing – elongation	40/50% (MD/CD)
Artificial ageing – resistance to water penetration	Class W1
Artificial ageing – tensile strength	200/100 N/50mm (MD/CD)
Elongation	60/70 % (MD/CD)
Flame resistance	E
Resistance to air penetration	0.03 m <sup>3</sup> /m <sup>2</sup> .h.50Pa
Stability to low temperature	-60°C
Tear resistance	100/95 N (MD/CD)

## Sizes

- Width (m) – 1.5
- Roll Lengths (m) – 16.7, 50
- Area Covered (m<sup>2</sup>) – 25, 75

## Standards

- EN 13859-1 (roofs)
- EN 13859-2 (walls)
- EN 12311-1 (elongation & tensile strength)
- EN12310-1 (tear resistance)
- EN12572 Set C (vapour transmission)
- EN 1928 (water penetration)
- EN1109 (low temperature stability)
- EN 1928 (artificial ageing)

## Installation and Handling

Do not leave Thermafleece Breather Membrane exposed to weathering since high winds, excessive UV etc. may cause damage over time.

Always handle carefully to prevent tears and punctures. Repair any damage that does occur with suitable breather membrane or air-tightness tape. Ensure that sufficient ventilation is incorporated to comply with all relevant building regulations and technical standards.

## Which way up?

There are two sides to Thermafleece Breather Membrane, a black side and a grey side.

- On a wall: the black side faces outwards, the grey side faces towards the inside of the building.
- On a floor: the black side faces the ground.
- In a roof: the black side faces the sky.

Please note: The membrane is vapour open in both directions so if it is installed the wrong way around on a floor, it doesn't impact performance. The black side has a higher UV stability, which is important for roofs and walls when the membrane is exposed to light during installation. This not relevant for floors.

For further installation information visit the Thermafleece Breather Membrane product page on the website.

## Technical Support

We offer a comprehensive support to meet all your technical requirements including:

- On-site and off-site support throughout the design and build process
- Advice on meeting current regulations including Building Regulations and Code for Sustainable Homes
- U-value and condensation risk analysis
- Advice on environmental impact
- Application guidance notes, comprehensive product data and reports

For technical advice call us on 01768 486285.

## Where to Buy

Our products are available through a wide network of merchants and distributors. To find out more visit our web site [www.thermafleece.com](http://www.thermafleece.com) or call us on 01768 486285.

