Lime Stuff
Traditional breathable building & decorating products
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therma fleece® MEMBRANE

All the facts...

Description

Thermafleece Breather Membrane is a light weight 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 light-grey on one side and white on the other with no text or images on either side, except a 150mm overlap line.

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

Key Facts

- Waterproofing membrane
- Highly vapour permeable
- Ideal for walls and under-floor
- 3-layer laminate with microporous core
- Good tensile and nail tear strength
- Grade F (Fire)
- 1 month UV resistant
- CE compliant
- Recyclable

Sizes

- **Width** – 1.5m
- **Roll Lengths** – 16.7m & 50m
- **Area** – 25 & 75 sq.m

Specifications

Property	Value
Tensile strength	185/85 N/50mm (MD/CD)
Elongation	50/70 % (MD/CD)
Tear resistance	75/95 N (MD/CD)
Resistance to air penetration	0.045 $m^3/m^2.h.50Pa$
Water vapour transmission properties	0.03 Metres
Resistance to water penetration	Class W1
Flame resistance	F
Stability to low temperature	-40°C
Artificial ageing – elongation	40/45% (MD/CD)
Artificial ageing – tensile Strength	160/75 N/50mm (MD/CD)
Artificial ageing – resistance to Water Penetration	Class W1

Standards

- EN 13859-1 (roofs)
- EN 13859-2 (walls)
- EN 12311-1 (elongation & tensile strength)
- EN12310-1 (tear resistance)
- EN 12114 (resistance to air penetration)
- EN12572 Set C (vapour transmission)
- EN 1928 (water penetration)
- EN1109 (low temperature stability)
- EN 13859 (artificial ageing)

Installation Guidelines for Walls

Fix the membrane to the wall structure; ensure upper layers overlap lower layers. Work from the bottom moving upwards and ensuring there are minimum overlaps of 100 mm on the horizontal joints. Do not begin a vertical lap joint within 300 mm of a corner, and vertical laps should be at least 150 mm. Ensure the bottom timber is also protected by an overlap. Fix at suitable intervals with galvanised nails, stainless staples or similar fixings that will be permanent.

All the facts…

Do not leave the membrane unnecessarily exposed to weathering since high winds; excessive UV etc. may cause damage over time. If you are required to leave the membrane exposed for extended periods of time, consider the use of suitable temporary protection materials.

Installation Guidelines for Floors

Thermafleece Breather Membrane is ideal for supporting insulation between suspended floor joists or as a protective layer above insulation installed between floor joists to prevent the accumulation of debris on top of insulation. The membrane can be nailed or stapled to the underside of the floor joist if access permits. Alternatively the membrane can be installed from above the rafter. For best performance staple the membrane to the lower side of the joist and run the membrane across before stapling to the lower side of the next joist before running over the top of the joist and repeating. Ensure an overlap of at least 100mm between layers of membrane.

Thermafleece breather membrane can also be laid on top of loft insulation to keep the insulation clean and free of debris.

Further Guidance

Always handle carefully to prevent tears and punctures. Repair any damage which does occur with suitable tape. Ensure that sufficient ventilation is incorporated to comply with all relevant building regulations and technical standards. Store all materials in suitable conditions.

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