

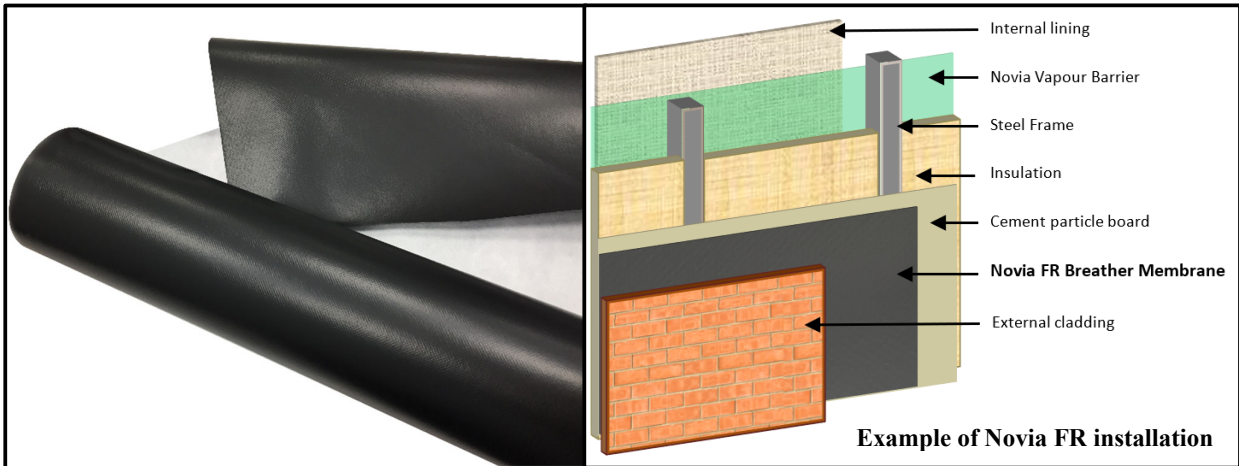
NOVIA®

FR Breather Membrane Fire Class B dual approved breather membrane for use in applications over 18m

Novia FR Breather is a **B-s1,d0*** fire class breather membrane, dual approved for both roof and wall applications. This membrane is suitable for use in pitched cold and warm roofs, and insulated wall applications including those above 18 metres in height.

Novia FR Breather meets **EN 13859-1** for pitched roofing and **EN 13859-2** for walls. The product has the maximum W1 water resistance, good breathability, and is lightweight and easy to handle.

Novia FR Breather is coloured black to the front and white on the reverse side, but with no text or images on either side, except an overlap line.



Example of Novia FR installation

- ✓ ***B-s1,d0** fire rated when fitted to A1 / A2 materials, D-s2,d0 when on wood
- ✓ **Excellent UV stability.** TPU performs significantly better than other materials. Install as per BS 5534 UV guidance
- ✓ **CE compliant to EN 13859-1 (roofs) and EN 13859-2 (walls)**
- ✓ **Waterproofing membrane suitable for walls over 18 metres**
- ✓ **Single product for all roofs and walls**
- ✓ **Monolithic breathable / vapour permeable membrane design**
- ✓ **High performance TPU / non-woven laminate construction**
- ✓ **Suitable for use on fully boarded roofs**

Roll detail:

| | | |
|----------------|-----|------------------|
| Standard width | 1.5 | m |
| Roll length | 50 | m |
| Roll weight | 8.5 | kg |
| Packing | 60 | Rolls per pallet |

Nominal technical data:

| | Value | Units | Test Method |
|--|---|---|-------------------|
| Weight | 110 | g/m ² | EN 1849-2 |
| Tensile strength MD/CD | 270/175 | N/50mm | EN 12311-1 |
| Elongation MD/CD | 25/25 | % | EN 12311-1 |
| Tear resistance MD/CD | 90/100 | N | EN 12310-1 |
| Resistance to air penetration | 0.05 | m ³ /(m ² .h.50 Pa) | EN 12114 |
| Sd value | 0.075 | metres | EN ISO 12572 C |
| Resistance to water penetration | W1 | Class | EN 1928A |
| Reaction to fire | *B-s1,d0 | Class | EN 13501-1 |
| Low temperature stability | -40 | °C | EN 1109 |
| UV resistance | Excellent. Install as per BS 5534 UV guidance | | |
| Resistance to water penetration (after ageing) | W1 | Class | EN13859-1 Annex C |

*When fitted to A1 or A2 materials, D-s2,d0 on wood materials

NOVIA LTD, Unit 12 Heronden Road, Parkwood Industrial Estate, Maidstone, Kent, ME15 9YR

Telephone 01622 678952 or Fax 01622 679025 or e-mail: sales@novia.co.uk

www.novia.co.uk

DS0320_FRBR



FR Breather Membrane

Fire Class B dual approved
breather membrane for use in
applications over 18m

Installation guidance for walls:

Fix the **Novia FR Breather** 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.

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

Installation guidance for roofs:

Novia FR Breather can be installed within both warm and cold roofs. On insulated warm roofs the membrane may be placed directly onto the insulation. **Novia FR Breather** can also be used in conventional cold roof applications. **Novia FR Breather** is also suitable for fully boarded roof applications.

Fix the membrane to the roof structure; ensure upper layers overlap lower layers. Work from the bottom moving upwards and ensure there are minimum overlaps as shown in the table below.

| Minimum Overlap | | |
|--------------------|---------------------|-------------------|
| Roof Pitch | Horizontal Lap (mm) | Vertical Lap (mm) |
| 12.5° to under 15° | 225 | 100 |
| 15° and above | 150 | 100 |

The membrane should be overlapped 200 mm on each side of the ridge. All vertical overlaps must be situated on a rafter and must be sealed. Fix at suitable intervals with galvanised nails, stainless staples or similar fixings that will be permanent. At any entry points for services (soil pipes, vents etc.), ensure that **Novia FR Breather** is properly sealed. Where pipes etc. penetrate the underlay, cut neatly and accurately and turn edges up to give a tight water-resistant fit.

Other notes

- Ensure that for all wall or warm roof applications, a Novia vapour barrier such as **Novia VC2** or **VC200 Reflective** is installed on the warm side of the insulation to limit unwanted interstitial condensation. As little as 1 - 3% moisture contamination within the insulation can adversely affect the achieved thermal performance by more than 30%.
- **Novia FR Breather** will reduce the risk of condensation within the roof space but in certain atmospheric conditions it can never be totally eliminated.
- Always handle material carefully to prevent tears and punctures and repair all damage.
- Ensure that sufficient ventilation is incorporated to comply with all relevant building regulations and technical standards, such as BS 5250.
- Store product in suitable conditions.

This datasheet represents the latest understanding of the subject. However, it is for the ultimate user to determine suitability of our products within specific applications. The advice and information we have provided is general in nature, and is subject to future revision.