

NOVIA

Novia Ultra

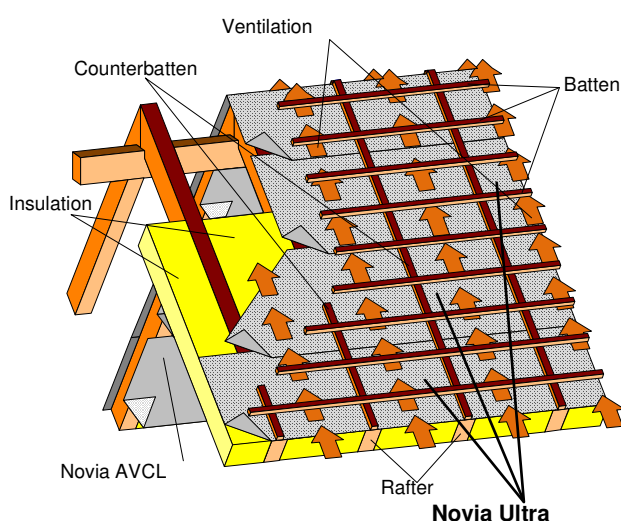


A waterproof breathable membrane for insulated wall and roof applications

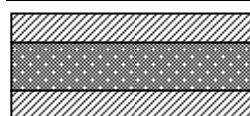
For all enquiries call the Novia sales desk on **01622 678952**

NOVIA Ultra is an entry-grade, versatile, dual approved and ultra-low cost breather membrane for use in pitched cold and warm roofs, and insulated wall applications. The material meets EN 13859-1 for pitched roofing and EN 13859-2 for walls. The product has good water resistance, high breathability, and is lightweight and easy to handle. **Novia Ultra** is coloured light-grey on one side and white on the other, but with no text or images on either side, except a 150mm overlap line. For higher specification applications, please refer to Novia Black or Novia Reflex breather membranes.

Novia Ultra has been introduced to comply with new mandatory CE marking requirements, introduced under the 2013 Construction Products Regulations. Under this new European directive, all products covered by a current hEN must comply with the new standard. Third party accreditation alone is no longer suitable. All breathable membrane products manufactured after the implementation date in July 2013 must conform to the new CPR standard.



Composition:



PP – Non woven
Breathable Microporous Film
PP – Non Woven

Technical Data

Characteristic	Value	Units	Test Method
Width	1.5	m	EN 1848-2
Length	50	m	EN 1848-2
Weight	100	g/m ²	EN 1849-2
Tensile strength	185/85	N/50mm (MD/CD)	EN 12311-1
Elongation	50/70	% (MD/CD)	EN 12311-1
Tear resistance	75/95	N (MD/CD)	EN 12310-1
Resistance to air penetration	0.045	M ³ /m ² x h x 50Pa	EN 12114
Water vapour transmission properties	0.03	Metres	EN 12572 Set C
Resistance to water penetration	W1	Class	EN 1928
Flame resistance	F		EN 13501-1
Stability to low temperature	-40	°C	EN 1109
Artificial ageing by long term exposure to the combination of UV radiation and elevated temperature and heat (80°C)	40/45	% (MD/CD)	Elongation EN 13859-1 Set C
	160/75	N/50mm (MD/CD)	Tensile Strength EN 13859-1 Set C
	W1	Class	Resistance to water penetration EN 13859-1 Set C

- ✓ **Ultra low-cost entry-grade roof breather**
- ✓ **Waterproofing membrane**
- ✓ **Highly vapour permeable**
- ✓ **Single product for all roofs and walls**
- ✓ **3-layer laminate with microporous core**
- ✓ **Good tensile and nail tear strength**
- ✓ **Grade F (Fire) and 1 month UV resistant**
- ✓ **CE compliant to EN 13859-1 (roofs) and EN 13859-2 (walls)**
- ✓ **Recyclable and ecologically harmless**
- ✓ **Install with Novia speciality tape**

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.

Do not leave the membrane unnecessarily exposed to weathering as high winds, excessive UV etc. 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 Guidelines For Roofs:

Novia Ultra can be installed within both warm and cold roofs. On insulated warm roofs the membrane may be placed directly onto the insulation. Novia Ultra can also be used in conventional cold roof applications. Novia Ultra is unsuitable 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° - 14°	225	100
15° - 34°	150	100
35°+	100	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 Ultra is properly sealed. Where pipes etc. penetrate the underlay, cut neatly and accurately and turn edges up to give a tight water-resistant fit. We strongly recommend the use of Novia double-sided adhesive breather membrane tape.

Ensure that for wall or warm roof applications, a vapour barrier such as **Novia VC2 or VC6 Reflective** is installed on the warm side of the insulation, as only 1 - 3% moisture contamination within the insulation can affect its performance by up to one third. Novia Ultra will reduce the risk of condensation within the roof space but in certain atmospheric conditions it can never be totally eliminated.

General notes:

Always handle material 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, such as BS 5250. Store all materials in suitable conditions.