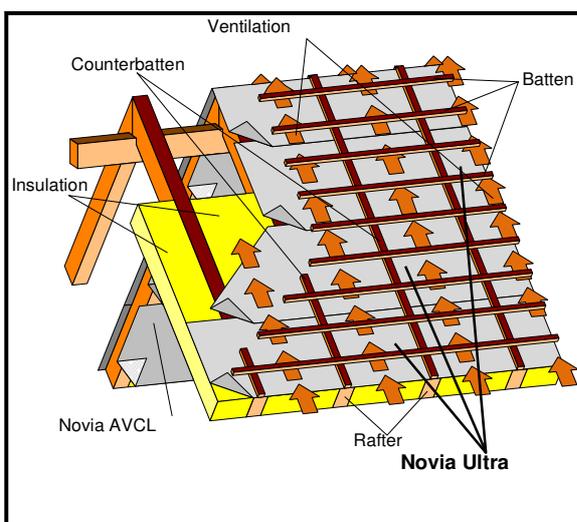


NOVIA®

Ultra Roof and Wall Breather Membrane

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.



- ✓ Good tensile and nail tear strength
- ✓ 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
- ✓ Low cost entry-grade roof breather
- ✓ Waterproofing membrane
- ✓ Highly vapour permeable
- ✓ Single product for all roofs and walls
- ✓ 3-layer laminate with microporous

Roll size:

Standard width	1.5	m
Roll weight	7.5	kg
Roll length	50	m
Packing	60	Rolls per pallet

Nominal technical data:

	Value	Units	Test Method
Weight	100	g/m ²	EN 1849-2
Tensile strength MD/CD	185/95	N/50mm	EN 12311-1
Elongation MD/CD	45/100	%	EN 12311-1
Tear resistance MD/CD	85/110	N	EN 12310-1
Resistance to air penetration	0.05	m ³ /m ² .h.50.pa	EN 12114
Sd value	0.03	metres	EN 12572
Resistance to water penetration	W1	Class	EN 1928
Resistance against fire	F	Class	EN 13501-1
Low temperature stability	-40/+80	°C	EN 1109
UV resistance	1	Months	

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DS0117_UltrBrth



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Installation guidance for walls:

Fix the **Novia Ultra** 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 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 breather membrane tapes.

Ensure that for wall or warm roof applications, a vapour barrier such as Novia VC2 or VC8 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.

Tapes

We advise the use of Novia installation tapes, which will improve the performance and overall airtightness of the roof. We offer a single-sided Novia Breather Membrane Lap Tape for standard installations, but for high specification work where there is even greater emphasis on air-tightness, we offer the optional Novia Double-Sided Adhesive Tape to provide a high performance dual tape seal.

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.

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