

# Building Wrap

## Product Description

An entry level, 2.7m x 100m wall breather membrane. The product is lightweight and designed for use in all insulated wall applications. Novia® Building Wrap is a Class W2 water resistant membrane, which meets EN 13859-2 for walls and also has a high air and vapour breathability. It also complies with EN113501-1 fire classification grade E. Novia® Building Wrap is completely black on both sides, with no text or images, except for a 150mm overlap line. It is available in other colours, subject to MOQ and additional lead times.

## Features

- Entry grade wall breather
- Class W2 water resistance to EN 13111
- Highly air and vapour open
- Good tensile and nail tear strength
- Grade E (fire) to EN 13501-1
- UKCA to EN 13859-2 (walls)
- Ideal for timber frame constructions
- Low cost solution

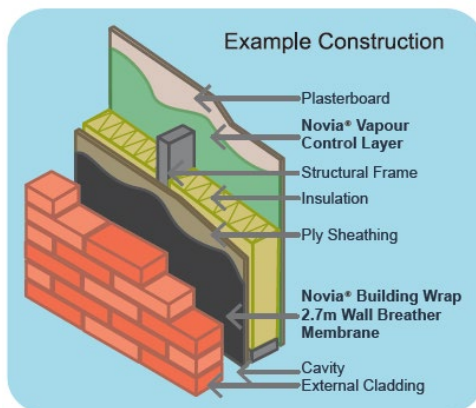
## Typical Applications

- Wall breather membrane

	Value
Standard Width	2.7m
Roll Length	100m
Roll Weight	27.5 kg EN 1849-2
Nominal weight	100 g/m <sup>2</sup> EN 1849-2
Tensile strength MD / CD	240/180 N/50mm EN 12311-1
Elongation MD / CD	85/100% EN 12311-1
Tear resistance MD / CD	135/145N EN 12310-1
Sd value	0.006 m EN ISO 12572
Resistance to water penetration	W2 Class EN 13111
Resistance to water penetration (after ageing)	W2 Class EN 13111
Resistance to air penetration (50Pa)	704 m <sup>3</sup> /m <sup>2</sup> /hr EN 12114
Low temperature stability (no cracking at)	-60°C EN 1109
Reaction to fire	E Class EN 11925-2
UV resistance	3 months UV resistant

## Installation Guidance For Walls

Fix the Novia® Building Wrap to the wall structure; upper layers should overlap lower layers. Work from the bottom moving upwards, using minimum overlaps of 100mm on the horizontal joints. Do not begin a vertical lap joint within 300mm of a corner, and vertical laps should be at least 150mm. 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 Tapes

We advise the use of Novia installation tapes as it will greatly improve the installation quality, reduce wind chatter and allow for any unexpected on-site damage to be repaired quickly. We offer Novia® Breather Membrane Lap Tape (BMLT), a single-sided lap tape for basic installations, and for high specification work we offer the optional Novia® Double-Sided Lap Tape for use between laps. See product datasheets for product specific information.

## Other Notes:

Ensure that a Novia® Air & Vapour Control Layer such as Novia® 500g, 1000g or 1200g (virgin grade polythene AVCLs) or Novia® 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%.

Always handle material carefully to prevent tears and punctures. Repair any on-site damage with Novia® tapes.

All Novia® products should be stored horizontally, indoors and out of direct sunlight. External storage must be on a temporary basis. When stored externally, Novia® products should be covered and protected from exposure to weather conditions, especially wind, rain, frost and UV. Pallets should not be stacked.

Please note: The above technical information is given as a guide and is based on recent test data obtained under laboratory conditions. Materials should be fully tested by the end user to establish suitability of the product for the intended application. March 2024

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