

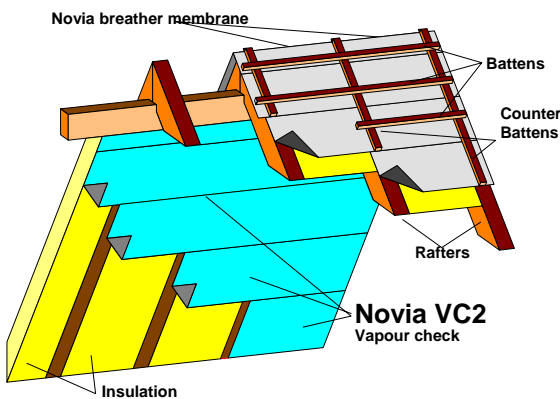
# Novia VC2

**Internal Air leakage Barrier and Vapour Control Layer for Roofs, Walls and Floors**

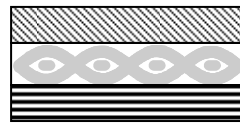
Novia

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**Novia VC2** is an air-tight vapour check designed for use both as an air leakage barrier and also as a vapour control layer (VCL) within a `vapour open` insulated structure.



## Composition:



PP - non-woven  
HDPE - scrim  
EVA – flame retardant

## Size:

Standard width	1,500	mm
Roll length	50	m
Core diameter	67	mm
Packing	50	rolls per pallet

## Technical data:

			test method
Nominal weight:	120	g/m <sup>2</sup>	EN 1849-2
Tensile strength (MD/CD):	approx. 340/320	N/50mm	EN 12311-2
Elongation:	approx. 25	%	EN 12311-2
Tear resistance (MD/CD):	approx. 210/190	N	EN 12310-1
Water vapour transmission rate	8 - 20	g/m <sup>2</sup> d	EN 1931
Sd-Value:	2 - 5	m	EN 1931
Air leakage resistance:	5*10 <sup>-4</sup>	m <sup>3</sup> /m <sup>2</sup> h Pa	EN 12114
Resistance to water penetration	W1	Class	EN 1928
Flame retardance:	B2		DIN 4102
Temperature resistance	-40 to +80	°C	

- ✓ **Air-leakage barrier and vapour control layer**  
**S<sub>d</sub>-value = 2-5 m (EN 1931)**
- ✓ **CE Approved**
- ✓ **Easy to install, can see battens (translucent)**
- ✓ **Wind and draft-proof**
- ✓ **Tough, tear-resistant (scrim reinforced)**
- ✓ **Prevents condensation**
- ✓ **Maximises the Insulation Performance**
- ✓ **Flame-resistant – Class B2 (DIN 4102)**
- ✓ **Complies with BS EN 13984:2004**
- ✓ **Recyclable**

Novia vapour barriers, vapour checks and air leakage barriers provide excellent draft exclusion within insulated structures, reducing convection heat loss caused by unnecessary air movement. They also protect the insulation from degradation caused by unwanted moisture condensation. Only a small amount of moisture (1 – 3%) deposited within a building structure, can affect the insulation performance by about 1/3.

# Vapour Check and Air Leakage Barrier

## Novia VC2

### Installation instructions:

- **Novia VC2** should be laid below the rafters on the `warm` side of the insulation and stapled to battens.
- Insulation should be installed in accordance with the manufacturer`s instructions.
- **Novia VC2** can be laid in either direction, across or parallel to the rafters.
- The membrane should be overlapped as follows:
  - Vertical overlaps: 150 mm (use coloured marker strip in material as guide)
  - Side overlaps: 200 mm
- All vertical overlaps must be situated on a rafter and sealed.
- All joints should be sealed with a suitable tape (e.g. Butyl).
- Care should be taken to ensure that the membrane is not damaged during installation.
- All service entry points should be properly sealed.

***Before fitting the inner cladding (plasterboard, plywood etc), check the integrity of the insulation and vapour control membrane and repair as necessary.***

***For optimum effectiveness of the vapour control layer, ensure that the entire roof assembly is constructed fully in accordance with all current Building Regulations and Standards.***

***Novia also provides a complete range of vapour checks, vapour barriers and breather membranes. Please contact us for further information.***