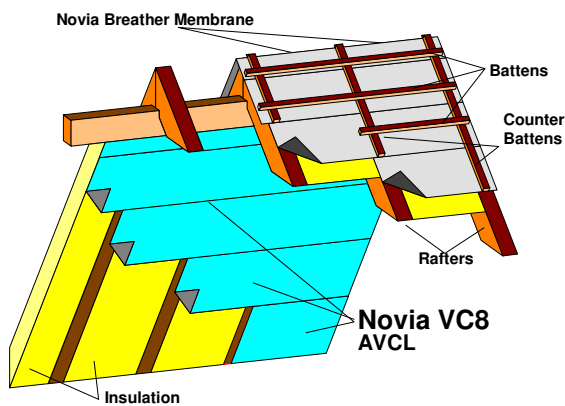


Novia®

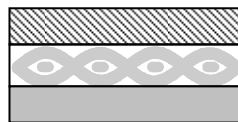
Novia VC8 Reflective AVCL

Novia VC8 Reflective is a technologically advanced reflective air-tight vapour check membrane, designed for use as an air leakage barrier and vapour control layer (AVCL) for all insulated walls, roofs and floors. By using new production processes, Novia has produced a reflective AVCL that delivers a carefully chosen vapour permeability, which helps to prevent any surface condensation problems that may occur, and yet still remains highly reflective and so delivers greatly improved r and u-values.



- ✓ **Air-leakage barrier and vapour control layer (AVCL)**
- ✓ **High reflectivity / low emissivity surface**
- ✓ **CE Approved**
- ✓ **Delivers improved r and u-values**
- ✓ **Wind and draft-proof**
- ✓ **Tough, tear-resistant**
- ✓ **Prevents interstitial condensation**
- ✓ **Maximises the insulation performance**
- ✓ **Complies with BS EN 13984**
- ✓ **High quality, low cost solution**
- ✓ **Technically advanced ultrasonic bonded laminate**
- ✓ **Helps buildings to meet the requirements of BS 5250: 2011**

Composition:



Aluminium Coating
Transparent PP
Non-Woven PP

Roll size:

Standard width	1,500	mm
Roll length	50	m
Packing	50	rolls per pallet
Thickness	0.4	mm

Technical data:

	Value	Units	Test Method
Nominal weight:	77	g/m ²	EN 1849-2
Tensile strength (MD/CD):	approx. 130/90	N/50mm	EN 12311-2
Elongation:	30	%	EN 12311-2
Tear resistance (MD/CD):	approx. 65/65	N	EN 12310-1
Reflectivity	84	%	ASTM C 1371
Sd-Value:	8	m	EN 1931
Resistance to water penetration:	Requirement achieved	-	EN 1928 Method A
Reaction to fire:	F	Class	EN 13501-1



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Air Leakage Barrier and Reflective VCL

Installation instructions:

- **Novia VC8 Reflective** should be positioned on the warm (internal) side of the insulation and fixed to battens or rafters with stainless staples or similar fixings that will be permanent.
- To obtain enhanced r and u-values within wall, roof and floor constructions the reflective face of the membrane must be facing into an unventillated cavity of at least 25mm.
- **Novia VC8 Reflective** should be overlapped as follows:
 - Vertical laps: 150 mm
 - Horizontal laps: 200 mm
- All vertical overlaps should be situated on a stud or rafter and sealed with tape.
- All joints must be sealed with Novia double-sided butyl tape and finished with our foil lap tape.
- Care should be taken to ensure that the membrane is not damaged during installation.
- All service entry points should be properly sealed.

General notes:

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

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 deposited within a building structure (as little as 1 - 3%), has the potential to affect the overall insulation performance by as much as a third.

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

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.

