

## Technical Data Sheet

# ME003

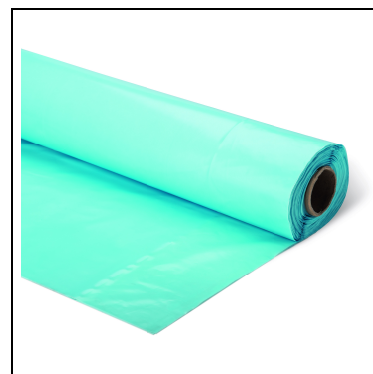
## Vapour Barrier

### Polyethylene VCL (Vapour Control Barrier)

10-04-2025 / V 1

#### Description

ME003 is a 3-ply polyethylene membrane which has been developed as a vapour barrier. Compatible with illbruck intelligent window membranes and adhesives.



#### Features and Benefits

- VCL for building protection and to improve energy efficiency.
- Straightforward application due to low weight
- Flexible and tear-resistant
- Highly vapour retardant
- Compatible with illbruck intelligent window membranes and adhesives.

#### Usage Purpose

This innovative 3-ply co-extruded PE vapour barrier membrane meets virtually all the demands of professional practice and protects the construction and insulation by providing a vapour and airtight seal. High-grade granulates are used as its main constituents, which does not lower the sd-value (vapour diffusion-equivalent air layer thickness). Consequently, this high-grade product offers comparable diffusion resistance properties to typical 160 µm PE vapour barriers, despite its lower thickness.

#### Technical Characteristics

Thickness	EN 1849-2	110 µm
Elongation At Break	DIN 53857	>850% Lengthwise/crosswise
Tensile Strength	EN 12311-1	>150 N/ 50 mm
Service Temperature	EN 13859-1	-40°C to +80°C

#### Application

ME003 should be installed in accordance with the recommendations of BS5250: 2002 'Code of practice for control of condensation in buildings'. The vapour barrier should be of the appropriate vapour resistance and should be situated on the warm side of the insulation.

Apply ME003 from the roll, fixing each sheet with staples or TF448 Endurance Adhesive to the structure. It is beneficial to reduce the number of junctions where possible to maximise performance.

Membrane overlap of not less than 50 mm is recommended.

All staples and overlaps must be sealed using illbruck ME315, ME316 or ME317 air-tight sealing tapes.

For bonding the membrane to adjacent walls and floors use illbruck TF448 and illbruck tape to achieve a long lasting airtight and vapour-tight connection.

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Small damages in the membrane can be sealed with illbruck tapes. A large-area of damage can be repaired with a pre-cut part of the original membrane and TF448 or illbruck tapes.

Likewise penetrations can be sealed with the above sealing tapes or SP925 Airseal.

### Guarantee / Warranty

Tremco CPG UK Ltd products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco CPG UK Ltd written instructions and (b) in any application recommended by Tremco CPG UK Ltd, but which is proved to be defective, will be replaced free of charge. No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct.

Tremco CPG UK Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.

### Health And Safety Precautions

Safety data sheet must be read and understood before use.

### Technical Service

Tremco CPG UK Limited has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.