

# REFLECTATHERM PLUS

## user guide



Reflective VCL

### INSTALLATION

Reflectatherm Plus is a reflective vapour control layer. The membrane should be installed in the traditional manner; on the inside face of the insulant and should have a minimum 19mm airspace between the plasterboard and the vapour control layer. This airspace can be utilised as a service void which reduces the number of penetrations to the vapour control layer; thus enhancing the thermal efficiency and reducing the condensation risk. The membrane should be installed with the reflective surface towards the service void.

#### Delivery & Site Handling

Rolls of vapour control layers are delivered to site with wrapping along with an installation guide. The material is silver on one side and black on the reverse.

#### Weather Conditions

Laying lightweight membranes in high wind conditions is difficult and appropriate precautions should be taken during installation. When installing reflective vapour control layers the effects of reflected sunlight and UV should be considered and appropriate eye/skin protection used if required.

#### Installation (Timber Frame Walls)

Before installation the timber should be inspected to ensure there are no protruding screws/nails or wood splinters that may puncture the vapour control layer. The vapour control layer should be installed on the inside of the timber studs with the foil facing outwards (black side facing the studs) and secured in place with staples prior to the installation of timber battens (min 19mm) to create the internal service void.

#### Laps

Lay the vapour control layer loose, flat and without wrinkles. All laps should be at least 100mm and sealed with a silver tape, i.e. Reflectafoil tape.

#### Puncture Damage

Where puncture damage is unavoidable, apply good sized patches over the puncture, ensuring that there is a continuous bead of tape all the way around the hole. For small scuff type damage of less than 25mm an alternative Reflectafoil Tape may be used.

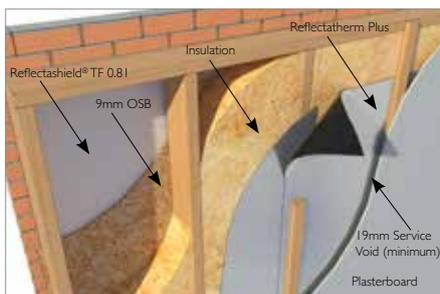
#### Details

Attention to detail is important. The vapour control layer needs to be continuous and particular care is required sealing around penetrations and at the perimeters where roofs and walls meet.

### PRODUCT CHARACTERISTICS

Mass per unit area (EN 1849-2)	150g/m <sup>2</sup>
Reaction to Fire (EN 11925-2)	Class E*
Water vapour resistance Sd (EN 1931)	150m
Vapour resistance (EN 1931)	750 MN/sg
Water penetration (EN 1928)	Class W1 (Before and After ageing)
Tensile strength (EN 12311-2)	MD 255N/50mm CD 200N/50mm
Elongation (EN 12311-2)	MD 59% CD 70%
Tear resistance (EN 12310-1)	MD 164N CD 157N
Flexibility at low temperature (EN 1109)	No cracking at minus 40°C

\*When tested to EN 11925-2 over a rock wool substrate



### CHARACTERISTICS

Thickness	0.5mm
Weight	150g/m <sup>2</sup>
Roll length	50m or 100m
Roll width	1.5m, 2.7m or 3m other sizes available on request
Colour	Silver /Black

The product is manufactured under an ISO 9001 compliant system with quality control checks carried out on the finished product which include;

- Weight
- Tensile strength and elongation
- Tear

#### Disclaimer

The contents of this installation guide are provided by A. Proctor Group Limited (APG) in good faith for general information purposes only. The statements and data contained in this guide are not specific technical recommendations as to any particular design or application. APG give no warranty and accept no liability for its contents and the ultimate determination as to product suitability is the sole responsibility of the installer or end user. APG strongly recommends following the installation guidelines and the relevant Codes of Practice which are correct at the time of publication and results may vary depending on the particular design/and or application.

MADE IN  BRITAIN



Insert Code  
III  
November 2020

### TECHNICAL ADVICE

The A. Proctor Group has a dedicated Technical Department which can deal with installation details, view drawings for approval and give specialist advice on the correct use of the A. Proctor Group products.

Telephone: +44 (0) 1250 872261  
Facsimile: +44 (0) 1250 872727  
email: [contact@proctorgroup.com](mailto:contact@proctorgroup.com)  
[www.proctorgroup.com](http://www.proctorgroup.com)

ACOUSTIC SOLUTIONS  
CONDENSATION CONTROL  
THERMAL SOLUTIONS  
GROUND GAS PROTECTION