TECHNOLOGY YOU CAN RELY ON
FROM A BRAND YOU CAN TRUST

REFLECTATHERM PLUS
user guide

Certificate No. CPS-016

Reflective VCL

INSTALLATION

Reflectatherm Foil 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 placed 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 50mm and sealed with a silver tape, i.e. Profoil 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 as an alternative Profoil 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)	142g/m² (+/- 10 g/m²)
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 225N (-60 N) CD 200N (-50 N)
Elongation (EN 12311-2)	MD 59% (- 20%) CD 70% (- 20%)
Tear resistance (EN 12310-1)	MD 155N (-55 N) CD 155N (-55N)
Flexibility at low temperature (EN 1109)	No cracking at minus 40°C

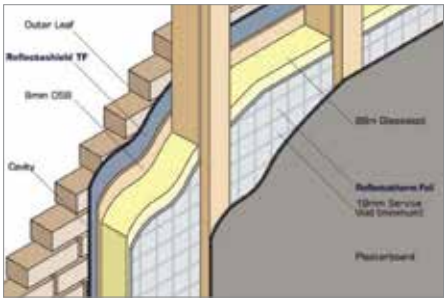
**When tested to EN 11925-2 over a rock wool substrate*

CHARACTERISTICS

Thickness	0.5mm
Weight	142g/m²
Roll length	50m or 100m
Roll width	1.5m 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**



MADE IN BRITAIN CE

Insert Code
III
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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.

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