# Proctor Air®

## DESCRIPTION

Proctor Air is an air and vapour permeable, highly water resistant roofing underlay. Its characteristics allow even very complex pitched roofs to breathe, without the need for air gaps or secondary venting.

The high performance meltblown core at the heart of Proctor Air allows natural air movement to 'supercharge' the passage of moisture vapour from the roofspace, making the formation of condensation in the roofspace virtually impossible.

## KEY FEATURES

### VAPOUR PERMEABLE

Proctor Air has an Sd-value of 0.015m and a vapour resistance of 0.075 MNs/g making Proctor Air one of the highest performing vapour-permeable membranes on the market.

### FULLY AIR PERMEABLE

Air permeable membranes allow air movement through the roof, as well as allowing moisture to escape by diffusion. This means that condensation is far less likely to form on the membrane itself, and also allows the membrane to deal with much higher moisture levels within the building, for example during the drying out period.

### HIGHLY WATER RESISTANT

Proctor Air is rated W1 under EN13859-1, and has a hydrophobic additive in all 3 layers. The membrane can be left exposed to provide temporary weather protection to the building envelope for up to three months (please refer to the FAQs in the Proctor Air brochure, page 14-15). Proctor Air has a Hydrostatic Head of water of over 1m as recommended by NFRC Technical Bulletin 6. It is good practice not to leave the underlay exposed longer than necessary.

### WIND UPLIFT RESISTANCE COMPLIES WITH BS5534

Based on fully independent 3rd party testing, Proctor Air can be utilised across the UK. This, in addition to no requirement for high level ventilation or the use of a vapour control layer, ensures Proctor Air remains the simplest and most cost effective method of achieving regulation compliance.

### MORE UNIFORM AIRFLOW THAN VENTS

The air permeability of Proctor Air means a non-ventilated roof fitted with Proctor Air allows a more consistent air flow through the roof than a roof ventilated as per BS5250, without expensive and time consuming ventilation hardware fitted to the roof.

### BBA CERTIFIED 24/7147

Proctor Air is fully BBA certified for use in non-ventilated warm and cold roof applications.

### SOLAR / PV PANELS

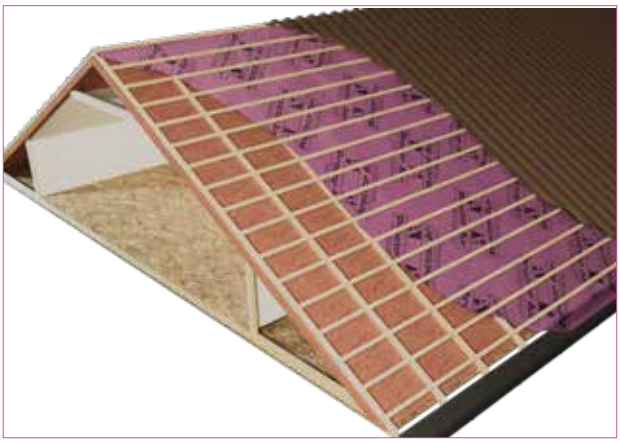
A unique feature of Proctor Air's BBA certificate is the clarification that it can be used on roofs featuring solar PV, as long as appropriate consideration is made to the requirement of a ventilated batten/counter batten space. This recommendation is in line with current requirements for tightly-jointed slates, tiles and metal sheet, all of which may also normally be considered air impermeable and therefore the addition of a ventilated batten/counter batten, above the Proctor Air, is required, as per BS 5250.

### NO VCL REQUIRED

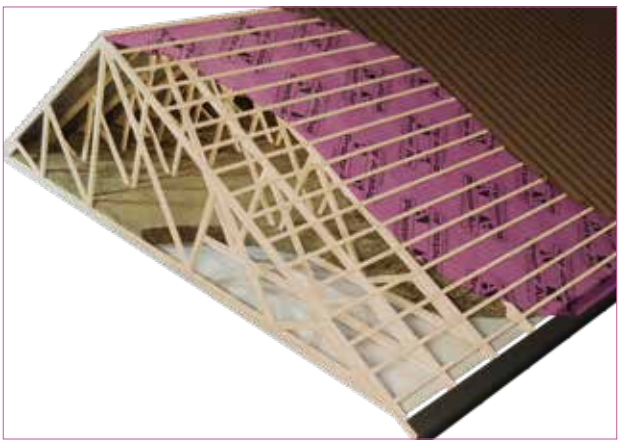
Installing Proctor Air means that a vapour control layer is not required for non-ventilated cold pitched roof constructions.

### 15 YEAR WARRANTY

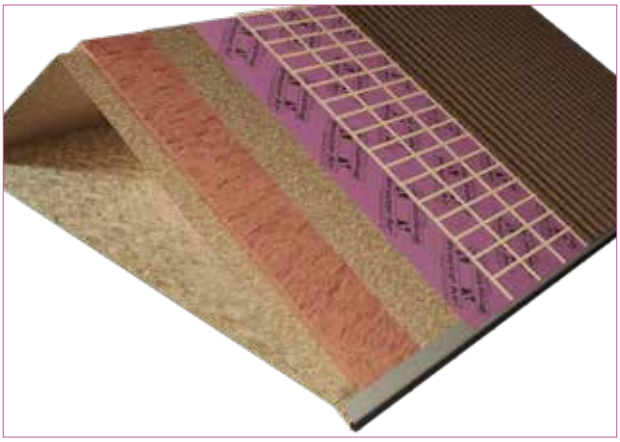
Proctor Air's 15-year warranty provides peace of mind on any project.



Warm Roof Construction



Cold Roof Construction



SIPS Warm Roof Construction

Proctor Air® Warranty
Specify Responsibly

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 24/7147

Proctor Air®
Roofing simplified

# Proctor Air®

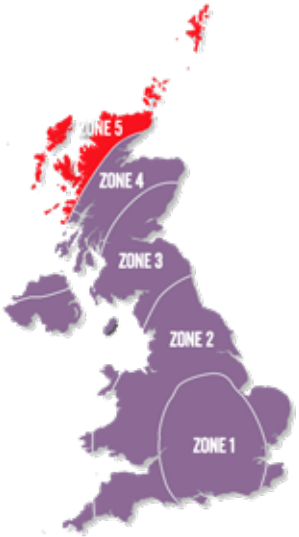
## PHYSICAL PROPERTIES & PERFORMANCE

| Property | | Test Method | Mean Results | |
|---|---|---|---|---|
| Standard Roll Size | | | 1m x 50m & 1.5m x 50m | |
| Mass per unit area | | EN 1849-2 | 170g/m$^2$ | |
| Reaction to Fire | | EN 13501-1 (EN 11925-2) | Class F | |
| Water vapour transmission | | EN 12572 | Sd 0.015m | |
| Vapour resistance | | EN 12572 | 0.075 MNs/g | |
| Air permeability (Average) | | EN 12114 | 35 m$^3$/m$^2$.h.50Pa | |
| Water penetration | | EN 1928 | Class W1 | |
| Hydrostatic Head of Water | | ISO 811 | >1m | |
| Tensile Strength | Before ageing<br>After ageing | EN 12311-1 | MD 330 N /50mm<br>MD 280 N/50mm | CD 270 N/50mm<br>CD 225 N/50mm |
| Elongation | Before ageing<br>After ageing | EN 12311-1 | MD 56%<br>MD 39% | CD 68%<br>CD 48% |
| Tear resistance | | EN 12310-1 | MD 188N | CD 172N |

## WIND UPLIFT RESISTANCE

| Batten Gauge | Declared wind uplift resistance Pa (N/m$^2$) | Accessories | Zone Suitability |
|---|---|---|---|
| ≤345mm | 1559.4 | NONE | 1 - 4 |
| | 3036.7 | WRAPTITE TAPE | 1-5 |
| ≤250mm | >3000 | NONE | 1 - 5 |

**NO TAPE REQUIRED IN ZONES 1-4**






Download a brochure from our website...
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