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 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 CERTIFICATE 24/7147

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

SOLAR / PV PANELS

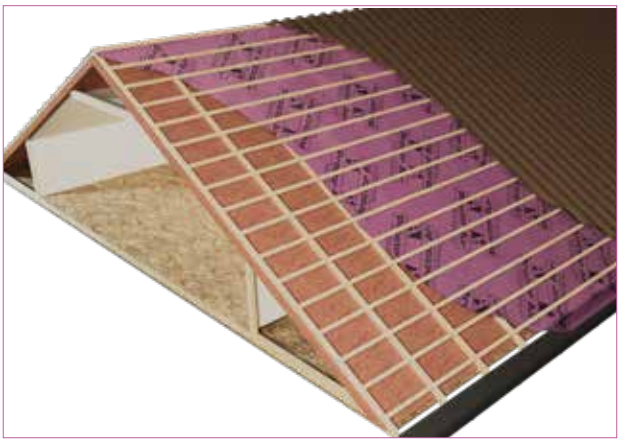
A unique feature of Proctor Air's BBA certificate is the clarification that it can be used on roofs featuring solar PV. Consideration may be required with regards to specific installation criteria for the PV assembly being used. In line PV assemblies can be used, without any additional ventilation or counter battens, when installed with a minimum of two tile zones around the perimeter of the PV Assembly. Alternatively, at the ridge, the two tile zone can be replaced with a dry ridge system above the PV Panel. PV assemblies mounted above the slates or tiles do not require any additional consideration.

NO VCL REQUIRED

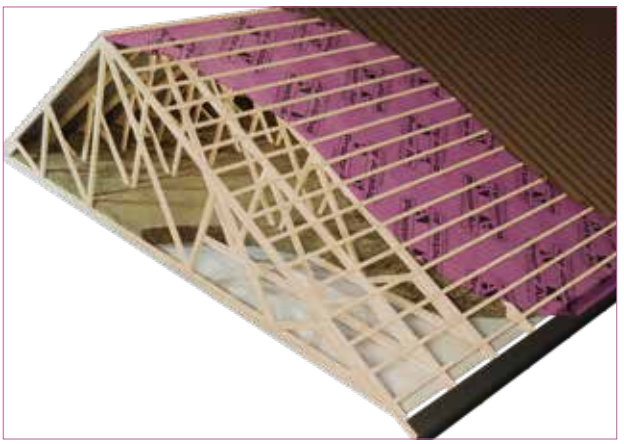
Installing Proctor Air means that a vapour control layer is not required for non-ventilated cold pitched roof constructions.

15 YEAR WARRANTY

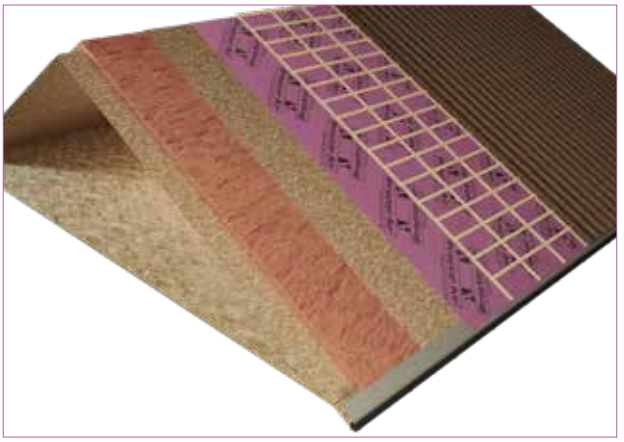
Proctor Air's 15-year warranty provides peace of mind on any project.



Warm Roof Construction



Cold Roof Construction



SIPS Warm Roof Construction

15 YEAR WARRANTY

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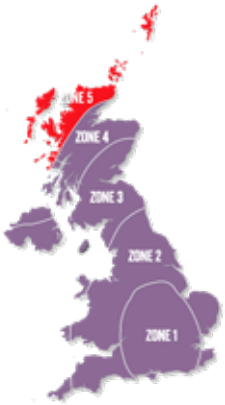
Proctor Air®

PHYSICAL PROPERTIES & PERFORMANCE

Property		Test Method	Mean Results	
		BS EN 13859-1:2010		
Standard Roll Size			1m x 50m & 1.5m x 50m	
Mass per unit area		EN 1849-2	170g/m²	
Reaction to Fire		EN 13501-1 (EN 11925-2)	Class E	
Water vapour resistance Sd		EN ISO 12572	0.015m	
Vapour resistance		EN ISO 12572	0.075 MNs/g	
Air permeability (Average)		EN 12114	35 m³/m².h.50Pa	
Water penetration		EN 1928	Class W1	
Hydrostatic Head of Water		ISO 811	>1m	
Tensile Strength	Before ageing After ageing	EN 12311-1	MD 330 N/50mm MD 280 N/50mm	CD 270 N/50mm CD 225 N/50mm
Elongation	Before ageing After ageing	EN 12311-1	MD 56% MD 39%	CD 68% CD 48%
Tear resistance		EN 12310-1	MD 188N	CD 172N
Mullen Burst Strength	Upper face Lower face	BS 3137:1972	1124 kPa 1115 kPa	
Slip Resistance	Dry Wet	BBA Internal Test	MD 78 MD 64	CD 79 CD 68

Batten Gauge	Declared wind uplift resistance Pa (N/m²)	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

BBA APPROVAL INSPECTION TESTING CERTIFICATION
CERTIFICATE 24/7147

Download a brochure from our website...
www.proctorgroup.com

contact@proctorgroup.com | +44 (0) 1250 872261

Proctor Group

Revised: July 2025
Version: 1.014
Next review due: July 2026