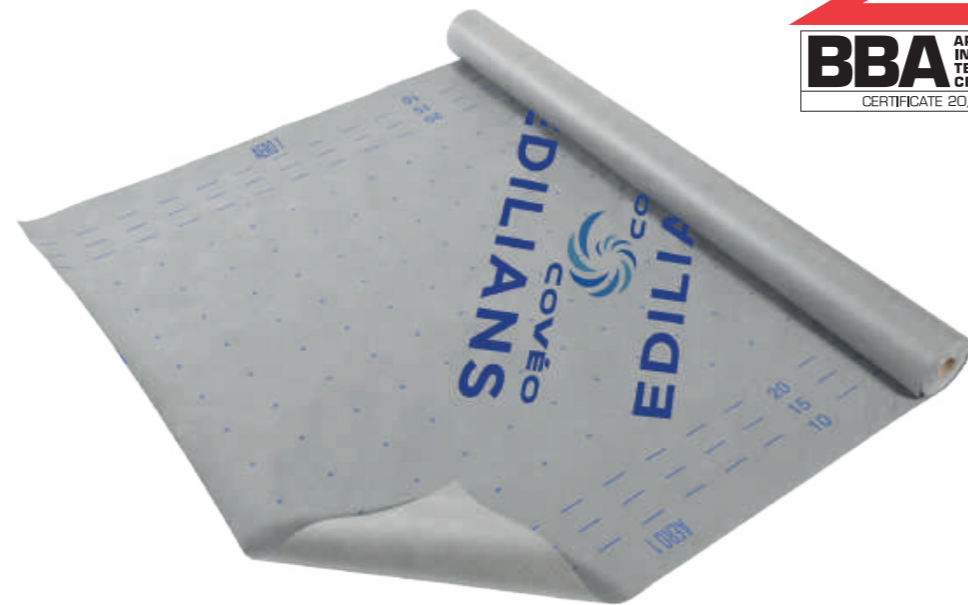


# AERO 1

AIR TIGHT

## Vapour Permeable Pitched Roof Underlay

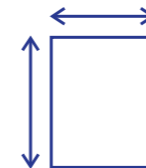
Suitable for cold and warm roofs



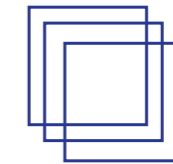
Grey



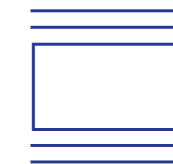
Roll: 9 kg (120 gsm)



1,5m x 50m (75m<sup>2</sup>)



3 Layers



3 Overlap Lines



Application for:  
- Supported  
- Unsupported



High vapour permeability



waterproof



Tensile strength



Essential characteristics	Performances				Harmonised technical specification
	Units	Nominal Value	Tolerance		
Reaction to fire	[class]	E	-	-	EN 13859-1:2010
Watertightness unaged	[class]	W1	-	-	
Watertightness aged	[class]	W1	-	-	
Water vapour transmissions (Sd)	[m]	0,02	-0,01	+0,015	
Tensile strength Longitudinal/Transverse	[N/50mm]	260 / 180	-25 / -30	+70 / +40	
Tensile strength after artificial aging Longitudinal/Transverse	[N/50mm]	230 / 160	-35 / -35	+80 / +50	
Elongation Longitudinal/Transverse	[%]	50 / 80	-20 / -30	+40 / +50	
Tear resistance Longitudinal/Transverse	[N]	120 / 140	-30 / -35	+50 / +55	
Flexibility at low temperatures	[°C]	-20	-	-	
Thermal resistance	[°C]	-20°C/+80°C	-	-	
Dangerous substances		Npd	-	-	



Product Reference  
**091202**

### Compatible Zone



BATTEN GAUGE	WIND UP LIFT RESISTANCE	WIND ZONES				
		1	2	3	4	5
≤ 345mm	1172 Pa	✓	✓	✓		
≤ 250mm	2331 Pa	✓	✓	✓	✓	✓

DOP available at [www.edilians.co.uk](http://www.edilians.co.uk)

Installation guide overleaf



## General information

Aero underlay must be installed in accordance with Manufacturer's recommendations and in conformity with the requirements of BS5534: British Standard Code of practice for slating and tiling, BS5250: British Standard Code of practice for control of condensation in buildings, and Agrément Certificate 20/5720.

All site work must be carried out adopting normal standards of good workmanship and in conformity with the requirements of BS8000-6: British Standard Code of Practice for workmanship on building sites.

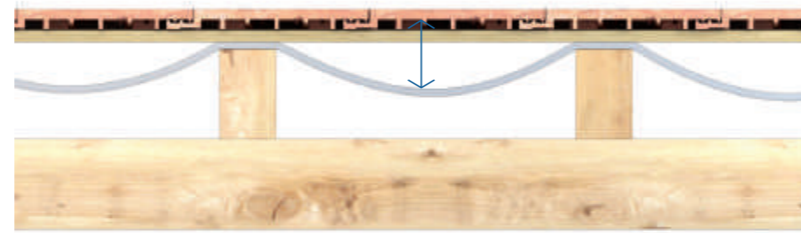
Aero underlay is designed for use as a secondary barrier against wind-driven rain, snow, and dust and to minimise wind loading on the roof slates or tiles. It does not constitute a provisional weatherproof covering during construction or for occupied buildings.

For use fully supported over rigid sarking or insulation, or unsupported over rafters or roof trusses at maximum 600mm centres and maximum batten spacings of 450mm.

The roof covering should be installed no later than 8 days after the installation of the underlay.

## Installation Guidelines

1. Lay the underlay starting at and parallel with the eaves, with the printed side facing upward.
2. Ensure the underlay is fully supported at the eaves. Use a proprietary support product to protect the underlay from UV exposure.
3. a) when laid unsupported over rafters or trusses, lay the underlay with a slight drape, enough to allow water to flow between the underlay and battens to the gutter, but no more than 15mm to prevent excessive flapping.



b) When laid fully supported over rigid sarking or insulation, install 50 x 25mm counter battens, fixed directly into and over the rafters or trusses to provide a drainage path and batten cavity ventilation. Install nail tape between each counter batten and underlay.



4. Lap each successive underlay strip over the previous one following the dimensions given in Table 1 below.

Roof Pitch	Horizontal Lap		Vertical Lap
	Unsupported	supported	
12,5° to < 15°	225mm	150mm	100mm
15° to < 35°	150mm	100mm	100mm
> 35°	100mm	75mm	100mm

To facilitate installation, Aero is marked with 3 horizontal lines to show lap sizes and a line for vertical laps.



## 5. Details :

**Verges:** For cloaked verge tiles, lap the underlay over the outer edge of the wall or bargeboard by 50mm. For bedded verges, finish the underlay under the undercloak.

**Ridges:** Finish the underlay at one side at the apex and lap the underlay from the other side over the apex by at least 150mm. For ventilated ridges, finish the underlay at each side 30mm from the apex. For mono ridges, finish the underlay 100mm over the apex.

**Valleys:** Lay a continuous strip of underlay centred on the valley and finish the general underlay over the valley underlay at the centre-line of the valley.

**Hips:** Finish the underlay at one side at the hip line and lap the underlay on the other side over the hip line by at least 300mm.

**Abutments:** Turn the underlay up against abutments such as chimneys, roof windows and walls by at least 50mm and seal to the vertical abutment using Edilians ADHEO Universal Tape.

**Penetrations:** For pipe penetrations, cut a 'X' and turn the underlay up and tape to give a watertight fit. Carefully seal using Edilians ADHEO Universal Tape. Fit an extra piece of underlay above the penetration to divert water around the penetration. When fitting underlay around a chimney flue pipe, follow national fire protection regulations.

If any damage such as cuts, tears or perforations occurs to the underlay, it must either be replaced or repaired using Edilians ADHEO Universal Tape.