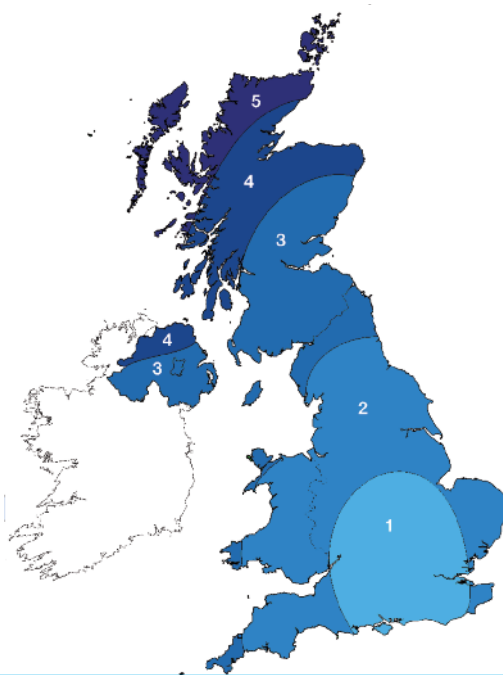


# BENEFITS OF 1.5m WIDE UNDERLAY

over 1.0m wide roll or underlays with integral tapes

## BS 5534: 2014 ROOF UNDERLAYS & WIND UPLIFT



Geographical wind zone	5	4	3	2	1
Design wind pressure for underlay (Pa)	1600	1330	1150	975	820

Contractors and builders are now required to comply with the new zonal wind uplift requirements of BS 5534: 2014 across the UK.

Protect Membranes have published a white paper entitled 'BS 5534: 2014 Roof Underlays & Wind Uplift' which looks at the research used to update the standard and the new requirements, copies are available for download from our website [www.protectmembranes.com](http://www.protectmembranes.com).

### Extra intermediate batten to restrain underlay laps ...

There is some confusion in the marketplace that the intermediate batten is a new development within BS 5534: 2014. **This is incorrect.**

Since 1978, BS 5534 has required that the overlap on any roofing underlay be restrained, either by adjusting the overlap in the membrane, or by providing an intermediate batten in between the roofing battens.

Clause 6.2.1.1 point e) of the current version of the standard states;  
'Underlay laps should be covered by a batten and, where necessary, the lap of the underlay adjusted to coincide with the nearest slating or tiling batten. Laps may also be sealed using proprietary means in accordance with manufacturers' instructions. Where a proprietary sealant is used, its durability should meet the same recommendations as the underlay.'

**In accordance to BS 5534 any proprietary sealant should meet the same durability recommendations as the underlay.**

Protect VP400 Plus<sup>LR</sup>, Protect A1 T3 and Protect A1 all have unrestricted use from zones 1-5 at the maximum batten gauge of 345mm without the need for integral or separate tape.

Protect Zytec and Protect Wunderlay have unrestricted use from zones 1-4 at the maximum batten gauge of 345mm without the need for integral or separate tape.

**When using the 1.5m wide rolls of the underlays above, the Protect Eaves Skirt and a gauge of 345mm, these underlays require neither adhesive tapes or additional restraining battens to comply with BS 5534: 2014.**

## DESIGN OPTIONS TO MEET BS 5534

### 1.0m wide standard underlay with integral tape ...

- Meets the BS 5534 Standard when taped and sealed.
- But all overlaps must be sealed irrespective of whether covered with a batten, see positions highlighted by ●
- This can prove both costly and time consuming.

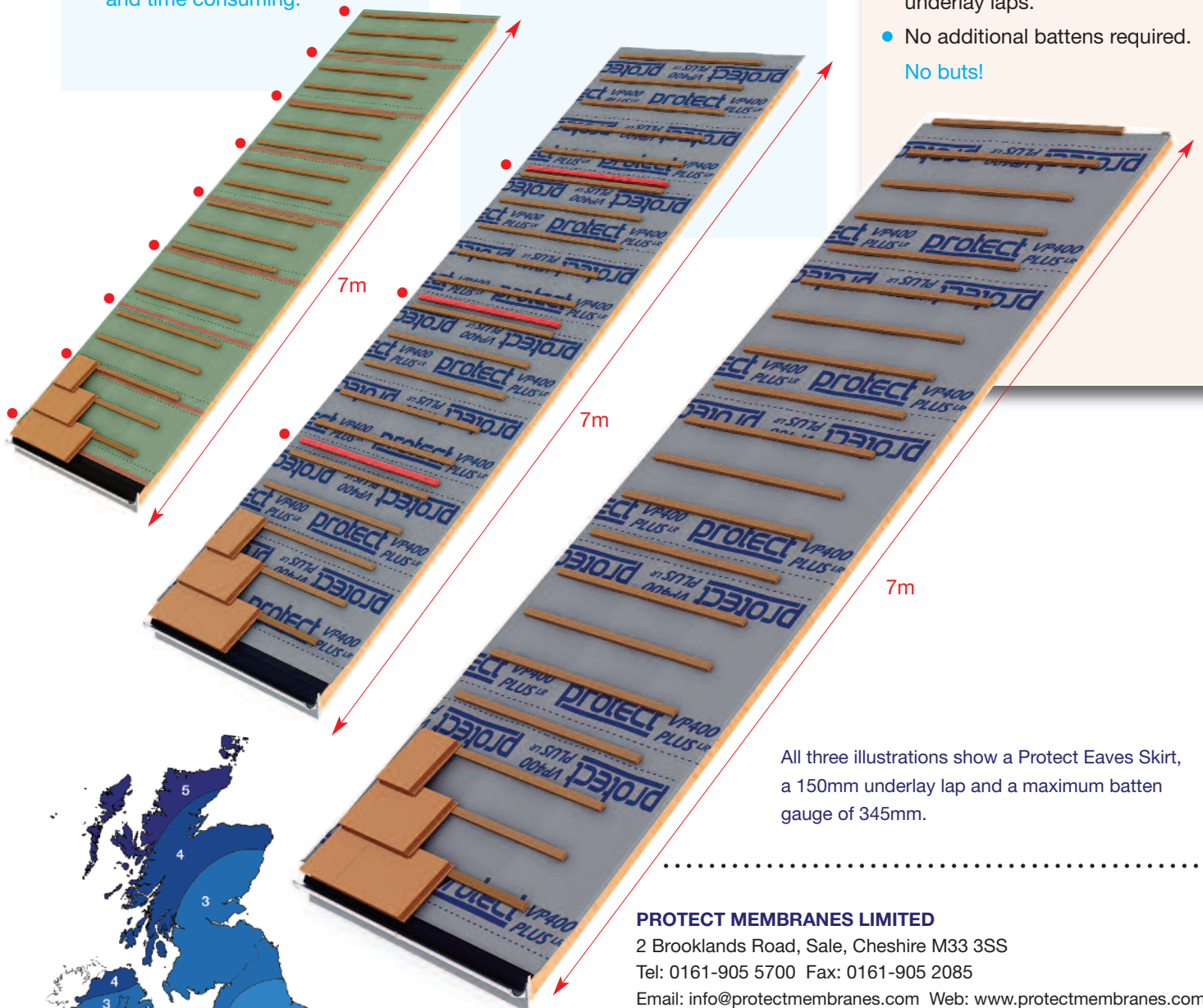
### 1.0m wide underlay such as Protect VP400 Plus<sup>LR</sup> ...

- Meets the BS 5534 Standard.
- No costly tapes required.
- But three intermediate battens are required to restrain the overlap, see positions highlighted by ●

### By switching the underlay from a 1.0m wide roll to a 1.5m wide roll such as Protect VP400 Plus<sup>LR</sup> ...

- Meets the BS 5534 Standard.
- No wastage from modifying the underlay laps.
- No costly tapes required.
- No time lost on site taping the underlay laps.
- No additional battens required.

No butts!



All three illustrations show a Protect Eaves Skirt, a 150mm underlay lap and a maximum batten gauge of 345mm.

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