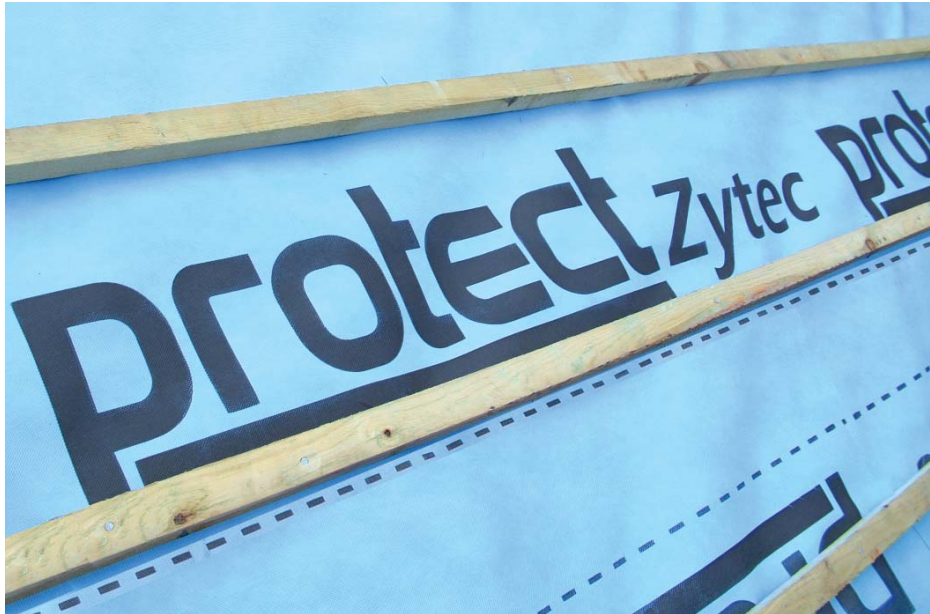


## PROTECT ZYTEC™ VAPOUR PERMEABLE ROOF UNDERLAY

Protect Zytec™ is a high performance vapour permeable (type LR) roofing underlay for use in warm or cold pitched roof constructions. Highly permeable Protect Zytec helps to avoid condensation risk in the roofspace.



### Appearance

Embossed light blue upper surface and white lower surface, printed with product branding for ease of identification.

Triple-ply construction, with a waterproof and vapour permeable core laminated and protected between two layers of non-woven spun-bonded polypropylene.

### Benefits

- Highly vapour permeable, but entirely watertight.
- Helps to avoid condensation risk in the roofspace in accordance with BS 5250.
- UV and heat-resistant, tough and durable.
- Unrestricted use for wind uplift in all exposure conditions in the UK and Ireland.
- Easy to cut and lightweight to handle.
- Does not generate nuisance noise under wind loading.
- Can be used as a temporary roof cover.

### Compatibility

As with all roofing underlays, do not lay in direct contact with undried timber preservatives (whether water or solvent based).

### Roll sizes and weights

1.5m x 50m (75m<sup>2</sup>) 12.75kg

1.0m x 50m (50m<sup>2</sup>) 9.0kg

1.0m x 25m (25m<sup>2</sup>) 4.0kg

Rolls are printed with 150mm overlap line for ease of installation

### Performance

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	200	200
Tensile strength (N/50) to EN 12311-1 with mods	290	250
Water vapour resistance (MNs/g) EN ISO 12572	0.15	
Watertightness	W1 Pass>2.0m	
Wind uplift resistance	2.5kPa at 343mm batten gauge and 600mm rafter centres	

## WIND UPLIFT PERFORMANCE



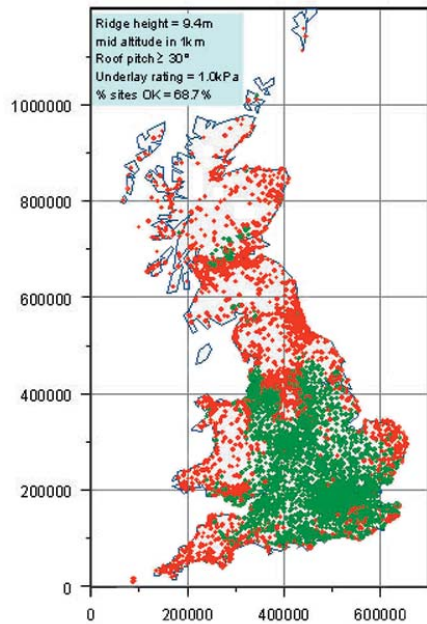
### Wind uplift

Many pitched roof underlays have batten gauge restrictions when fixed in exposed locations and this information is contained within independent certification such as BRE or BBA approvals. Certified products generally have their resistance to wind uplift performance quoted in terms of an acceptable uplift for a specified batten gauge. For typical concrete interlocking tiles the batten gauge would range between 320-345mm, while for double lap plain tiles it would typically be 90-100mm. An independent report on wind load calculations shows that a resistance of at least 2.5kPa is required at maximum batten gauge to ensure that an underlay can be safely used at more than 95% of all locations in the UK.

Protect ZYTEC has a wind uplift performance of 2.5kPa at 343mm batten spacing enabling unrestricted use in all exposure conditions in the UK and Ireland. BS 5534: 2003 'Code of practice for slating and tiling' clearly states in clause 4.10.1: *Roofing underlay should provide a barrier to minimise the wind uplift load acting on the slates or tiles.*

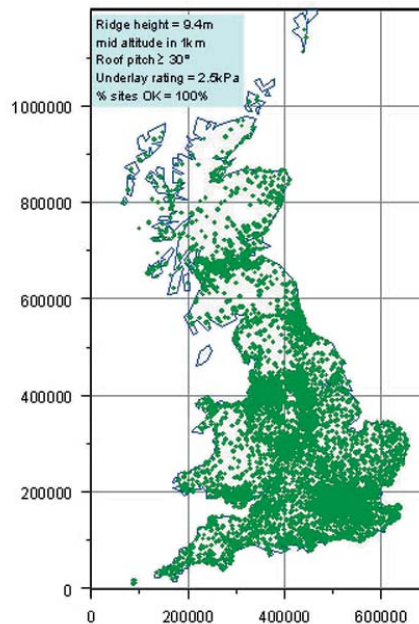
In clause 5.5.2.7 it also states: *With stretching of the underlay and reverse drape under wind load, the underlay should not be able to touch the underside of the tiles and slates. Measures should be taken to ensure that the design load carried by the underlay is not transferred to the slates and tiles and their fixings.*

**Example 1**  
Ridge height 9.4m  
Mid altitude  
Roof pitch 30°  
Underlay rating 1.0kPa



■ restricted use    ■ unrestricted use

**Example 2**  
Ridge height 9.4m  
Mid altitude  
Roof pitch 30°  
Underlay rating 2.5kPa



Maps selected from Anemos Associates report 'Wind Uplift on Roofing Underlays'. Full copy of report available on request.

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Glidevale Limited maintains a policy of continuous development and reserves the right to amend product specifications without notice.

**BPD**

A member of the Building Product Design Group

