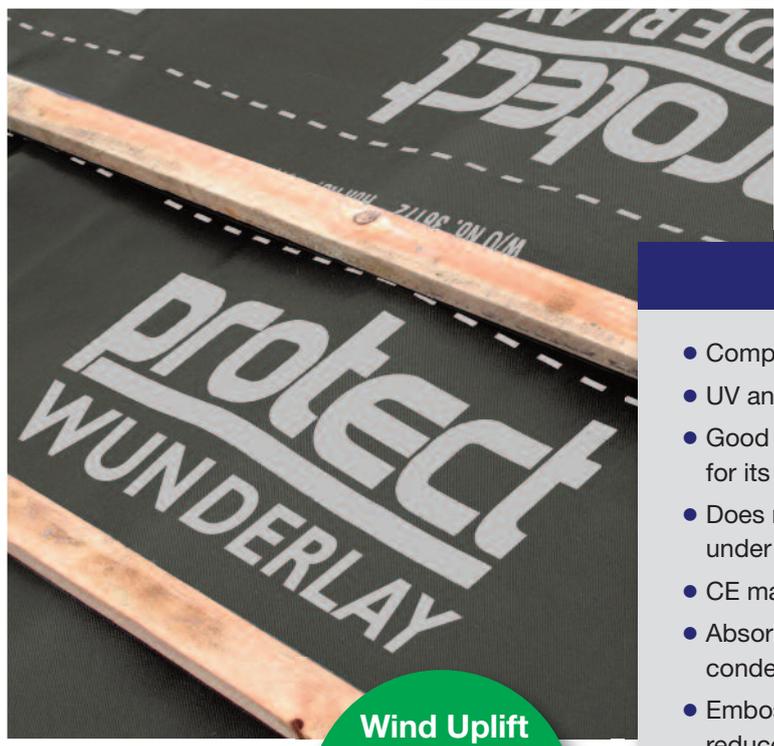


# WUNDERLAY®

## TYPE HR ROOF UNDERLAY

**P**rotect Wunderlay is a type HR impermeable pitched roofing underlay, developed to overcome the disadvantages of traditional Type 1F and 5U felts and second generation plastic sheet materials. It has good strength and nail tear resistance and is independently certified by BM TRADA.

Protect Wunderlay provides a secondary line of defence against wind driven rain and snow, whilst ensuring resistance to wind uplift across most of the UK and Ireland at 345mm batten gauge. Being entirely waterproof, it can be used to provide temporary protection during the period the roof covering is applied. ♦



**Wind Uplift  
Resistance  
Zones 1-4  
(345mm batten  
gauge)**

### BENEFITS

- Completely water and air tight.
- UV and heat resistant.
- Good nail tear and tensile strength for its weight.
- Does not generate nuisance noise under wind loading.
- CE marked and BM TRADA certified.
- Absorbent undersurface prevents condensate drip off.
- Embossed dark grey upper surface reduces glare and takes a chalk line marking.
- Easy to cut and handle.
- Can be used as a temporary roof covering. ♦

♦ For clarification on exposure times please contact Glidevale Protect's Technical team.





## PRODUCT DESCRIPTION

### Size

Roll sizes: 1.5m x 30m (45m<sup>2</sup>)  
1.0m x 45m (45m<sup>2</sup>)

Roll weight: 6.0kg

Also 1.0m x 15m (15m<sup>2</sup>) rolls available for smaller projects.

### Appearance

Embossed dark grey upper and lower surface. Printed with product branding for ease of identification.

### Compatibility

As with all underlays, do not lay in direct contact with undried timber preservatives (whether water or solvent based). Protect OFV Eaves Skirt to be used at all gutter details.

### Roof ventilation

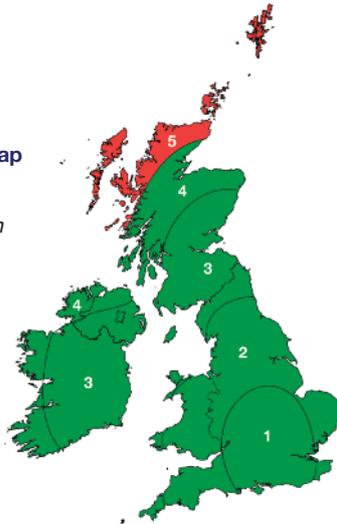
Roof space ventilation should be provided at both low and high level as with all impermeable (type HR) roofing underlays irrespective of insulation type or position. Protect Wunderlay is suitable for use in Zones 1 to 4 at the maximum batten gauge of 345mm, to BS 5534. No adhesive tapes are required to restrain the overlaps. Where insulation follows the rafters, there must be a ventilated air space at least 50mm deep above the insulation and beneath the underlay.

### Specification clause

Roofing underlay to be Protect Wunderlay supplied by Glidevale Protect, 2 Brooklands Road, Sale, Cheshire, M33 3SS.  
T: +44 (0)161 905 5700  
F: +44 (0)161 905 2085.  
Email: info@glidevaleprotect.com.  
Underlay to be an impermeable polymeric construction, comprising of a polypropylene non-woven layer, coated on one surface with a continuous film of polyethylene/polypropylene blend.  
To achieve a hydrostatic head of water resistance of >2.0m.  
Undersurface to be absorbent to prevent condensate drip off.  
Resistance to wind uplift: Zones 1 to 4 (at 345mm batten gauge).  
Underlay to be laid in accordance with BS 5534 and manufacturer's instructions.

### Wind Uplift Resistance Map (345mm batten gauge)

Meets Zones 1-4 at 345mm batten gauge (resistance to wind pressure 1367 Pa), when tested to Annex A of BS 5534.



## PERFORMANCE

|   | MD     | CD   |
|---|--------|--|
| Nail tear strength (N) to BS EN 12310-1 with mods           | 189    | 199  |
| Unaged tensile strength (N/50mm) to BS EN 12311-1 with mods | 233    | 246  |
| Aged tensile strength (N/50mm) to BS EN 12311-1 with mods   | 231    | 206  |
| Watertightness  | Pass   | Class W1 >2.0m hydrostatic head resistance |
| Weight  | 120gsm |  |

MD = machine direction (along roll), CD = cross direction (across roll).  
UV and heat ageing conditions: UVA lamps at 50°C for 336 hours followed by heat ageing at 70°C for 90 days.

For more information visit [www.protectmembranes.com/wunderlay](http://www.protectmembranes.com/wunderlay)

### Related products

Protect Fulmetal RediRoll: [www.protectmembranes.com/rediroll](http://www.protectmembranes.com/rediroll)  
Protect OFV Eaves Skirt: [www.protectmembranes.com/eavesskirt](http://www.protectmembranes.com/eavesskirt)  
Protect VC Foil Ultra Air and Vapour Control Layer membrane: [www.protectmembranes.com/vcfoilultra](http://www.protectmembranes.com/vcfoilultra)

### Stockist's stamp

## GLIDEVALE PROTECT

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



A division of Building Product Design Ltd. Company Registration No: 3944123



modular & portable building association

