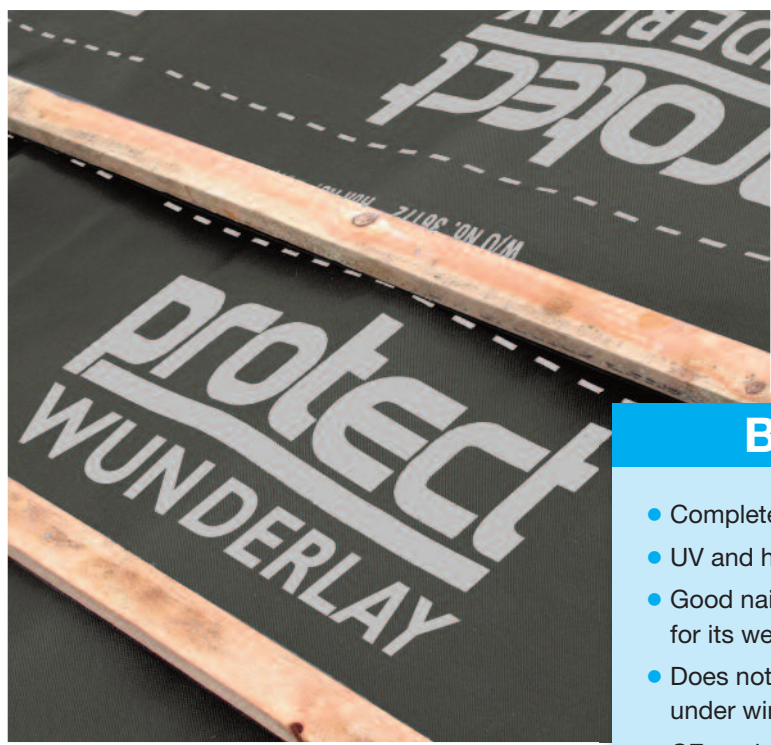


# WUNDERLAY®

## TYPE HR ROOF UNDERLAY

**P**rotect Wunderlay is an alternative to Protect A1 type HR 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 and resistance to wind uplift. Being entirely waterproof it can be used as a temporary roof covering.



### 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.
- Suitable for wind uplift zones 1 to 4 to BS 5534 (at 345mm batten gauge) in the UK and Ireland.





## PRODUCT DESCRIPTION

### Size

Roll width: 1.0m or 1.5m

Roll length: 45 or 30m

Roll total area: 45m<sup>2</sup>

Roll weight: 5.7 or 5.85kg

Also available in 1.0m x 15m (15m<sup>2</sup>) ideal for smaller jobs.

### 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 should be used at all gutter details.

### Specification clause

Roofing underlay to be Protect Wunderlay supplied by Protect Membranes, 2 Brooklands Road, Sale, Cheshire, M33 3SS. Telephone: 0161 905 5700. Fax: 0161 905 2085. Email: [info@protectmembranes.com](mailto:info@protectmembranes.com). Underlay to be of twin ply construction, 120gsm with polypropylene non-woven spunbond and LDPE/PP film to achieve a hydrostatic head of >2.0m. Under surface to have absorbent surface to prevent condensate drip off. Resistance to wind uplift: zones 1 to 4. Underlay to be laid in accordance with BS 5534 and manufacturer's instructions.

## PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	189	199
Unaged tensile strength (N/50mm) to EN 12311 with mods	233	246
Aged tensile strength (N/50mm) to EN 12311 with mods	231	206
Watertightness	Pass	Class W1 >2.0m hydrostatic head resistance
Weight	120gm <sup>2</sup>	
Flexibility at low temperature	-40°C	

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.

### 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)

Stockist's stamp



## PROTECT MEMBRANES

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



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