

# ZYTEC™

## TYPE LR ROOFING UNDERLAY

**P**rotect Zytec is a high performance type LR roof underlay for use in warm and cold roof constructions. Its low vapour resistance helps to avoid the risk of harmful condensation whilst at the same time remaining completely airtight. Protect Zytec is both CE marked and BM TRADA certified. Where the highest performance of Protect VP400 Plus LR is not required but a heavier underlay than Protect VP300 is needed, Protect Zytec meets the requirement by still providing a performance greater than many other underlays in its class.

Protect Zytec provides a secondary line of defence against wind driven rain and snow and resistance to wind uplift. Being entirely waterproof yet highly vapour permeable it can be used as a temporary roof covering during the period the roof covering is applied.



### BENEFITS

- Highly vapour permeable with a performance better than required in BS 5250.
- Completely water and airtight with >2.0mm water resistance.
- UV and heat-resistant.
- Does not generate nuisance noise under wind loading.
- BMTRADA independently certified.
- Helps to avoid condensation risk within the roofspace in accordance with BS 5250 and NHBC requirements.
- Easy to cut and handle.
- Can be used as a temporary roof covering.



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



Wind Uplift Resistance Map  
(345mm batten gauge)



## PRODUCT DESCRIPTION

### Size

Roll width: 1.0m or 1.5m  
Roll length: 50m  
Roll total area: 50 or 75m<sup>2</sup>  
Roll weight: 8.2 or 12.30kg

### Appearance

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

### Compatibility

As with all vapour permeable 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 Zytec supplied by Protect Membranes Ltd, 2 Brooklands Road, Sale, Cheshire, M33 3SS.  
Telephone: 0161 905 5700.  
Fax: 0161 905 2085.  
Email: info@protectmembranes.com.  
Underlay to be of triple ply construction, 158gsm with waterproof and vapour permeable core laminated and protected between two layers of non-woven spunbond polypropylene, to achieve a hydrostatic head of >2.0m.  
Water vapour transmission resistance: 0.15 MNs/g / 0.03 S<sub>d</sub> to BS EN ISO 12572.  
Resistance to wind uplift: unrestricted use in Zones 1-4 (at 345mm batten gauge).  
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	270	216
Unaged tensile strength (N/50mm) to EN 12311 with mods	273	230
Aged tensile strength (N/50mm) to EN 12311 with mods	220	198
Water vapour resistance to EN ISO 12572	0.15 MNs/g / 0.03 S <sub>d</sub>	
Watertightness	Pass	Class W1>2.0m hydrostatic head resistance
Wind uplift resistance - Zones 1-4 at 345mm batten gauge & 600mm rafter centres		
Weight	158gm <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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