

# A1 T3

## TYPE HR ROOF UNDERLAY

**P**rotect A1 T3 is a high performance heavy-duty type HR roofing underlay, developed to overcome the disadvantages of traditional Type 1F and 5U felts and second generation plastic sheet materials.

It has an ultra tough 4 ply construction with heavy-duty non-slip reinforcing grid on the upper surface for maximum damage resistance.

Protect A1 T3 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 during the period the roof covering is applied.



### BENEFITS

- Completely water and air tight.
- UV and heat resistant.
- Excellent nail tear and tensile strength.
- Does not generate nuisance noise under wind loading.
- CE marked.
- 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.
- Has 'unrestricted' use for wind uplift in all exposure conditions 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: 8.1 or 7.95kg

### 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 A1 T3 supplied by Protect Membranes Ltd, 2 Brooklands Road, Sale, Cheshire, M33 3SS.  
Tel: 0161 905 5700.  
Fax: 0161 905 2085.  
Email: info@protectmembranes.com  
Underlay to be of four ply construction, 170gsm with waterproof core laminated and protected between two layers of nonwoven spunbond polypropylene incorporating a reinforcing grid, to achieve a hydrostatic head of >2.0m. Under surface to have absorbent surface to prevent condensate drip off. Underlay to be laid in accordance with BS 5534 and manufacturers instructions.

## PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	375	451
Unaged tensile strength (N/50mm) to EN 12311 with mods	562	377
Aged tensile strength (N/50mm) to EN 12311 with mods	483	347
Watertightness	Pass	Class W1>2.0m hydrostatic head resistance
Weight	170gm <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.

Stockist's stamp

## PROTECT MEMBRANES LIMITED

2 Brooklands Road, Sale, Cheshire M33 3SS

Tel: 0161 905 5700 Fax: 0161 905 2085

Email: info@protectmembranes.com Web: www.protectmembranes.com

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



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