

A1 T3 PLUS TYPE HR IMPERMEABLE ROOF UNDERLAY

Protect A1 T3 Plus is a heavy-duty type HR roofing underlay, designed for all cold and warm pitched roofs in conjunction with the provision of ventilation at eaves and ridge. Protect A1 T3 Plus can be used with a well-sealed ceiling and a separate air and vapour control layer on the warm side of the insulation or where the ceiling is not well-sealed as in a re-roofing application.

Now in its fourth generation, this four ply, high performance underlay is best in class, originally developed to overcome the disadvantages of traditional Type 1F and 5U felts as well as second generation plastic sheet materials.

With an increased product weight of 190gsm, the robustness of Protect A1 T3 Plus ensures it can provide a secondary line of defence against wind driven rain and snow with unrestricted wind uplift use across the UK and Ireland. Being entirely waterproof, it can be used to provide temporary protection during the period the roof covering is applied. ♦



**Wind Uplift
Resistance
Zones 1-5
(345mm batten
gauge)**

BENEFITS

- Regularly used for new build and re-roofing schemes.
- Completely air and watertight, achieving >2.0m hydrostatic head of water resistance.
- Has 'unrestricted' wind uplift resistance across the UK and Ireland at 345mm batten gauge, without the need for additional sealing tapes.
- Good nail tear and tensile strength.
- Easy to cut and handle, saving time on installation over traditional felts.
- Can be used as a temporary protection prior to installation of roof covering. ♦
- Does not generate nuisance noise under wind loading.
- Absorbent undersurface prevents condensate drip off.
- UV and heat resistant.

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



PRODUCT DESCRIPTION

Size

Roll sizes: 1.5m x 30m (45m²)
1.0m x 45m (45m²)

Roll weight: 8.55kg

Appearance

Embossed dark grey upper surface with grey 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.

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 A1 T3 Plus has unrestricted use from Zones 1 to 5 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.

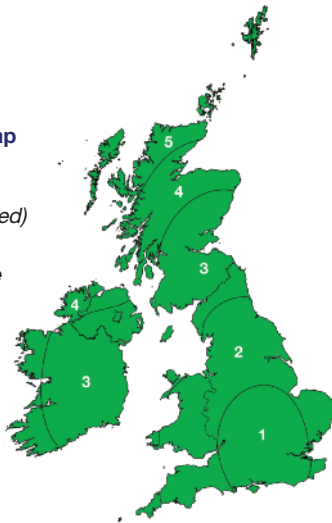
Specification clause

Roofing underlay to be Protect A1 T3 Plus supplied by Glidevale Protect, 2 Brooklands Road, Sale, Cheshire, M33 3SS.
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Underlay to be of four ply construction with a waterproof core that is laminated and protected between two layers of non-woven spunbond polypropylene, to achieve a hydrostatic head of water resistance of >2.0m. Under surface to be absorbent to prevent condensate drip off. Resistance to wind uplift: unrestricted use in Zones 1-5 (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 1-5 (unrestricted) at 345mm batten gauge (resistance to wind pressure 2094 Pa), when tested to Annex A of BS 5534.



PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	312	377
Unaged tensile strength (N/50mm) to EN 12311 with mods	417	321
Aged tensile strength (N/50mm) to EN 12311 with mods	392	327
Weight	190gsm	
Flexibility at low temperature	-40°C	
Watertightness	Pass	Class W1 >2.0m hydrostatic head resistance
Wind uplift resistance - Zones 1-5 at 345mm batten gauge and 600mm rafter centres		
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/a1t3

Related products

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

Stockist's stamp

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



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