

VP400 PLUS^{LR}

Protect VP400 PLUS^{LR} is a highly vapour permeable roof underlay. It offers the lowest vapour resistance of any Type LR roofing underlay in its class, and yet it remains completely airtight. It is suitable for use in all pitched roofs. Protect VP400 PLUS^{LR} is both CE marked and BMTRADA certified.

As the airtightness of buildings and dwellings continues to improve due to better workmanship and new practices, it is ill advised to allow uncontrolled air movement within the structure, including through a roof underlay in roofs with no vapour control or air barrier layers.

One of the primary functions of roof underlays is to help manage the wind load pressures on the roof. In order to achieve this the underlay should have sufficient mechanical properties to be able to deflect the wind load pressures safely over the structure, one essential 'other' property is that the underlay be water and air tight.

Air leaky or air permeable underlays allow air to penetrate the membrane making it much more difficult to withstand the maximum wind load pressures and driving rain without other surface treatments.



BENEFITS

- Highly vapour permeable, but completely airtight.*
- Completely watertight >7.0m water resistance.
- Strongest underlay in its class/weight range.
- UV and heat resistant.
- Tough and durable.
- Can be used as temporary roof covering for up to 3 months.
- Has unrestricted use for wind uplift in all exposure conditions in the UK and Ireland.
- BMTRADA Independently certified.
- Helps to avoid condensation risk in the roof space in accordance with BS 5250 and NHBC requirements.
- Can be used as temporary roof covering for up to 3 months.

**through the body of the material at 2,500Pa pressure*

PRODUCT DESCRIPTION

Size

Roll width: 1.0 or 1.5m

Roll length: 50m

Roll total area: 50 or 75m²

Roll weight: 8.3 or 12.4kg

Appearance

Embossed royal blue upper and 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).

Specification clause

Roofing underlay to be Protect VP400 PLUS^{LR} supplied by Glidevale Ltd, 2 Brooklands Road, Sale, Cheshire M33 3SS, Tel: 0161 905 5700, Fax: 0161 905 2085, Email: info@glidevale.com Underlay to be of triple ply construction, 170gsm with waterproof and vapour permeable core laminated and protected between two layers of non-woven spun-bonded polypropylene, to achieve a hydrostatic head resistance of 2.0m. Water vapour transmission resistance: 0.08MNs/g. Resistance to wind uplift: unrestricted use. Underlay to be laid in accordance with BS 5534: 2003 and manufacturer's instructions.

PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	248	295
Unaged tensile strength (N/50mm) to EN 12311 with mods	325	305
Aged tensile strength (N/50mm) to EN 12311 with mods	290	295
Weight	170gsm	
Flexibility at low temperature	40°C	
Water vapour resistance to EN ISO 12572	0.08 MNs/g	
Watertightness	Pass	Class W1 >7.0m hydrostatic head resistance
Wind uplift resistance 2.5kPa at 343mm 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.

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

BPD

A member of the Building Product Design Group

