

VP400 PLUS^{LR} TYPE LR ROOFING UNDERLAY

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, helping to avoid the risk of harmful condensation, whilst remaining completely airtight. With suitability for use across all pitched cold and warm roofs, Protect VP400 PLUS^{LR} provides a secondary line of defence against wind driven rain and snow, offering a high resistance to wind uplift to BS 5534, ensuring unrestricted use in Zones 1-5 throughout the UK and Ireland.

Fully independently certified by BM TRADA, Protect VP400 Plus^{LR} helps to effectively manage the wind load pressures on the roof and has sufficient mechanical properties to deflect them safely over the structure. Being entirely waterproof, Protect VP400 Plus^{LR} achieves strong hydrostatic head of water resistance of >7m, ensuring it can be used as a temporary roof covering during the period the roof covering is applied. ♦

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



BENEFITS

- Highly vapour permeable, but completely airtight.*
- Completely watertight with >7.0m water resistance.
- Strongest underlay in its class and weight range.
- UV and heat resistant.
- Tough and durable.
- Can be used as temporary roof covering. ♦
- Has 'unrestricted' use for wind uplift in all exposure conditions in the UK and Ireland (BS 5534, zones 1-5 at 345mm batten gauge).
- BMTRADA independently certified.
- Helps to avoid condensation risk in the roof space in accordance with BS 5250 and NHBC requirements.

* through the body of the material at 2500 Pa pressure.



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



Wind Uplift Resistance Map
(345mm batten gauge)



PRODUCT DESCRIPTION

Size

Roll width: 1.0 or 1.5m
Roll length: 50m
Roll total area: 50 or 75m²
Roll weight: 9.68 or 14.81kg

Appearance

Embossed grey upper and black 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 VP400 PLUS^{LR} supplied by Glidevale Protect, 2 Brooklands Road, Sale, Cheshire M33 3SS. Tel: 0161 905 5700, Fax: 0161 905 2085. Email: info@glidevaleprotect.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 >7.0m. Water vapour transmission resistance: 0.08 MNs/g / 0.016 S_d to BS EN ISO 12572. 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.

PERFORMANCE

	MD	CD
Nail tear strength (N) to EN 12310-1 with mods	248	294
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 / 0.016S _d	
Watertightness	Pass	Class W1 >7.0m 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.		

Related products

Protect Fulmetal RediRoll: www.protectmembranes.com/rediroll
Protect OFV Eaves Skirt: www.protectmembranes.com/eavesskirt

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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