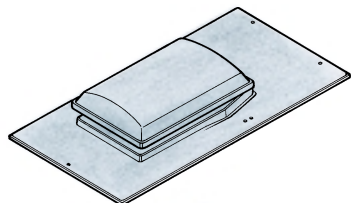
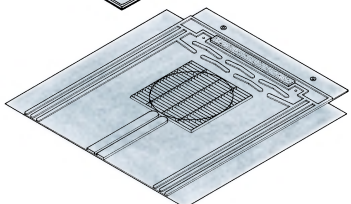


ASSOCIATED ROOFING PRODUCTS

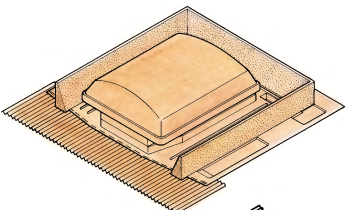
Glidevale manufacture a comprehensive range of associated ventilation and roofing products including:



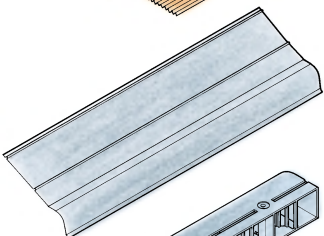
VS10 Slate Ventilator
10,000mm² airflow



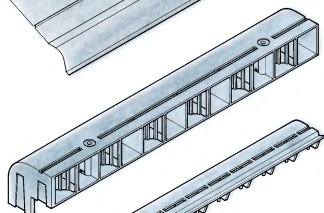
*Universal In-line™
Slate Ventilator*
10,000mm² airflow



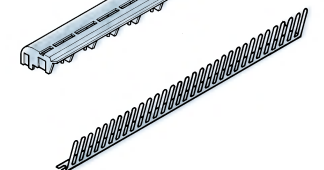
*Versa-Tile Universal
Tile Ventilator*
10,000mm² airflow



*OFV Eaves Skirt -
1.3m lengths*



*FV100/FV250 Over
Fascia Ventilators*
10,000 or 25,000mm²
airflow



*EC55 Eaves Comb
Filler - 1.0m lengths*

OTHER PRODUCTS IN THE PROTECT RANGE

Protect A1 roofing underlay.

Protect VP400 vapour permeable roof underlay.

Protect TF200 permeable membrane for timber frame construction.

STOCKIST

protect
WUNDERLAY

glideVALE

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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

ROOFING UNDERLAY



A MAJOR ADVANCE ON 1F FELT
AND PLASTIC MEMBRANES

Roof underlays are required in virtually all modern tile and slate pitched roofs.

- as a secondary line of defence against wind driven rain and snow
- to reduce wind uplift
- as a temporary roof covering

Protect Wunderlay is a modern lightweight alternative to traditional 1F felts and second generation plastic materials with a number of important advantages

- clean and light to handle
- easy to cut
- proven time savings over traditional felt
- unrestricted use for wind uplift in all exposure conditions in the UK and Ireland



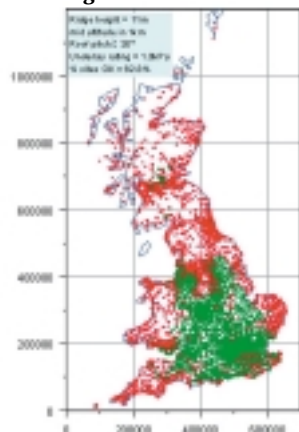
- completely waterproof
- can be used as a temporary roof covering
- excellent nail tear and tensile strength
- uv and heat stable

WIND UPLIFT

Type 1F reinforced bitumen has been the traditional underlay in this country for decades and can resist the worst wind uplift conditions expected in the UK. Many of the modern lightweight alternatives even those with independent certification have batten guage restrictions when fixed in exposed locations. An independent report on wind load calculations shows that a resistance of at least 2.5kPa is required at maximum batten guage to ensure that an underlay can be safely used at more than 95% of all locations in the UK.

All Protect roofing underlays have a resistance of at least 2.5kPa giving them unrestricted use for wind uplift in all exposure conditions in the UK and Ireland.

Fig 1



Ridge height 11.0m
Mid altitude
Roof pitch 30°
Underlay rating 1.0kPa

- restricted use
- unrestricted use

Fig 2



Ridge height 11.0m
Mid altitude
Roof pitch 30°
Underlay rating 2.5kPa

PERFORMANCE

PERFORMANCE	MD	CD
Nail tear strength (N) (EN 12310-1)	150	150
Tensile strength (N/25mm) (EN 12311-1)	260	240
Wind Uplift Resistance	2.5kPa at 343mm batten guage	
Water resistance (m)	2.0	

ROOF VENTILATION

Roof space ventilation should be provided at both low and high level as with all roofing underlays irrespective of insulation type or position.

Where insulation follows the rafters, there must be a ventilated air space at least 50mm deep above the insulation and beneath the underlay.

More information is available on request.

ROLL SIZES AND WEIGHTS

1.5m x 30m (45m ²)	5.6Kg
1.0m x 45m (45m ²)	5.6Kg