

## FIXING INSTRUCTIONS - PROTECT A1 SOLAR FOR COLD OR WARM ROOFS

### GENERAL

Protect A1 Solar underlay may be used where insulation is at ceiling joist level or where insulation is between or above rafters.

As for all roofing underlays, roof space ventilation should also be provided at high and low level.

Do not lay Protect A1 Solar in direct contact with any undried timber preservative (whether water-based or solvent-based).

In accordance with good building practice, this product should be covered as soon as possible after installation and preferably not more than one month after initial exposure. Within this period, when correctly installed Protect A1 Solar will provide temporary protection against rain prior to installation of slates or tiling. If the exposure period exceeds one month then advice must be sought from the Glidevale Protect Technical department.

Store rolls on a flat dry surface, protected from the weather.

### LAYING

#### Main roof areas

Lay Protect A1 Solar over rafters or counterbattens so as to leave shallow valleys between (max 15mm deep) whilst maintaining a clear air path. This is to allow any moisture that may reach the underlay to drain away safely under the tiling battens, to protect nail holes and prevent ponding behind or wetting of the battens.

Lay Protect A1 Solar with minimum laps shown in the table below.

Fix the underlay using extra large head clout nails of copper, aluminium alloy or galvanised steel, 20mm x 3.5mm.

Protect A1 Solar can be easily cut with a sharp knife, and remains flexible at all normal working temperatures.

#### Eaves

Fit a UV-resistant material such as Protect UPVC Eaves Skirt to overhang the eaves/fascia by 50 - 60mm. Lap the first roll of Protect A1 Solar over the Eaves Skirt as shown.

#### Verges

Lap underlay 25 - 50mm on to the outer skin of masonry, or on to the flying rafter for an overhanging verge.

#### Ridges

For standard ridges lap Protect A1 Solar over the apex by at least 150mm down each side. For dry vent ridge systems stop Protect A1 Solar 30mm short of the apex on each side.

#### Valleys

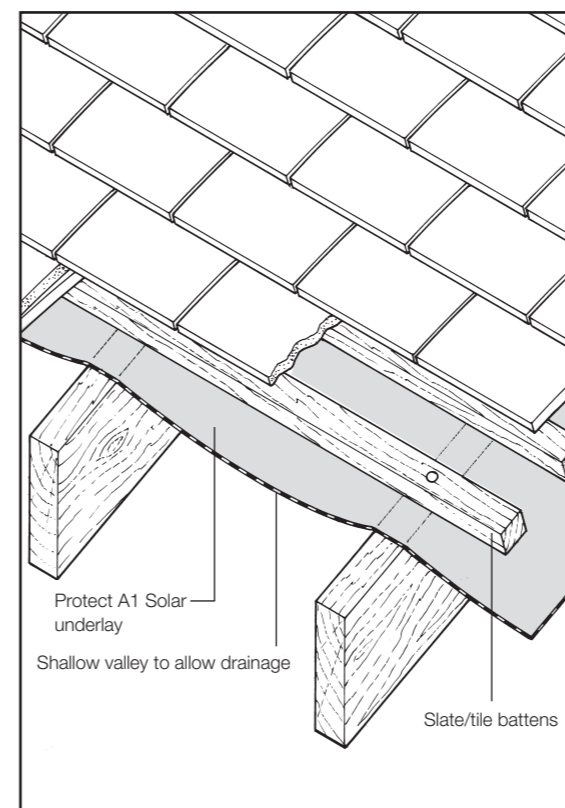
Lay a strip of Protect A1 Solar not less than 600mm wide up valleys, lapped under the main roof underlay.

#### Hips

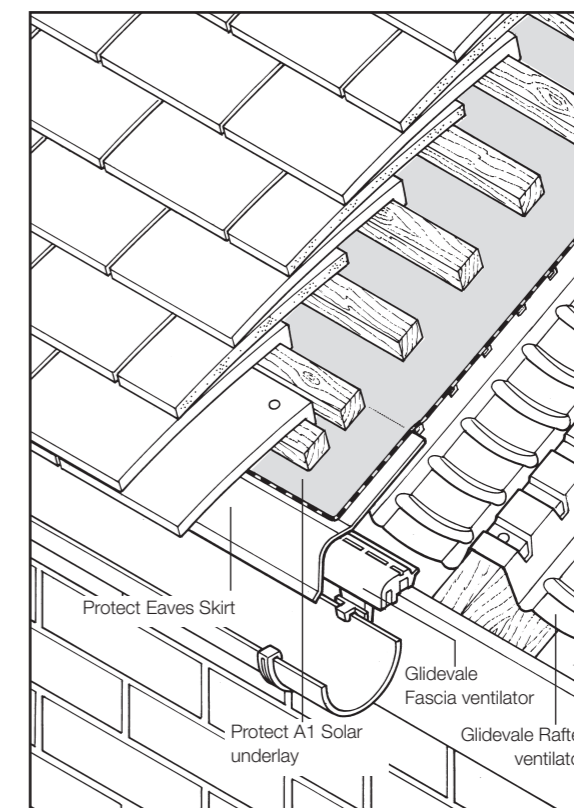
Lay a strip of Protect A1 Solar not less than 600mm wide up hips, lapped over the main roof underlay.

#### Laps

Roof pitch	Horizontal lap up slope	Vertical lap across slope
12.5° - 14°	225mm	100mm minimum
≥15°	150mm	100mm minimum



Typical installation detail



Recommended treatment of roof ventilation

#### Other products purchased with this roof underlay:

Protect Eaves Skirt, Universal Dry Verge System for tiles, Universal Dry Verge System for slates, Fulmetal RediRoll / UniRoll Ventilated Ridge & Hip System, Univalley 125, Universal Dry Fix Valley Trough, Solar Inlet Terminal for tiles, Solar Inlet Terminal for slates, AluFlash lead alternative flashing, tile and slate ventilators, fascia & eaves ventilation.