

## Installation Recommendations

### Ridge Installation

1. Install the underlay and tiling or slating battens as normal. If ventilating the roof space below the underlay, leave the underlay approximately 30mm short of the apex on both sides or slit along the ridge line then fold and tack back to maintain a ventilation opening gap of 5mm minimum.

2. For a trussed rafter roof, fix a continuous 50 x 25mm wide ridge batten or battens along the centreline of the roof apex using the Ridge Straps (optional) which can be purchased separately. The straps may be fixed and nailed to the rafters either above or below the underlay. It is important that the Ridge Straps are tight when finally fixed. This is best achieved by fixing the top slate or tile batten over the Ridge Straps to remove any free play in the ridge batten assembly. [fig. A]

3. For roofs utilising a ridge board where the ridge board finishes below the finished roof surface height, the height may be increased by screw fixing additional continuous ridge battens. [fig. B]

**Note:** The Roll Clip should be set no less than the height of the finished roof surface, and not exceeding 15mm above. [fig. C]

4. The Roll Bracket and Roll Clip assembly should be fixed with the screws provided along the ridge line at 600mm centres maximum and in a straight line [fig. D]. At gable ends, the first Bracket should be fixed approximately 150mm from the end. At an intersection with roof hips the Bracket should be fixed approximately 120mm from the junction.

**Note:** Where additional Packers are used to adjust the height, they should always be fitted below the Roll Clip.

5. For BRE wind zones 4 and 5, coastal locations or areas prone to high wind gust speeds (exceeding, 32m/s or 70mph), it is recommended that the tiles or slates are drilled using a 5.0mm drill bit and suitable anti-corrosive screws fixed through the Roll Clip on both sides of the ridge into the slate/

tile battens or sarking board for added wind protection.\* [fig. E]

6. Where a ventilating ridge is required, peel off the backing strip and adhere a strip of the Vent Roll\*\* to the underside of each leg of the Roll Profile with the edge of the Vent Roll in line with the edge of the Roll Profile. [fig. F] Ensure the surface of the Roll Profile is clean and dry before applying.

**Note:** Cut back Vent Roll at the Roll Profile overlaps.

7. Install the Roll Profile onto the Roll Brackets either by sliding along or snapping over the Roll Brackets allowing a 150mm overlap where joints in the Roll Profile are required. [fig. G]

8. Using a suitable hand tool such as sheet metal seaming or bending pliers [fig. H], bend the end tabs of the Roll Clips onto the Roll Profile and pinch closed taking care not to lift the leg of the Roll Clip in the process. [fig. I]

**Note:** The Roll Profile does not require to be gripped by the folded clip tabs, allow some sliding room for the Roll Profile.

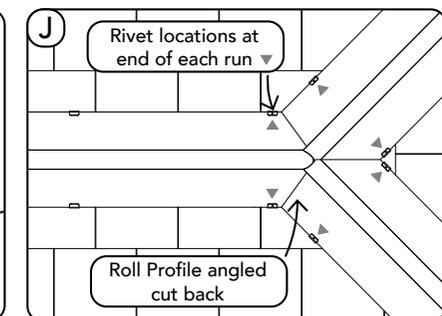
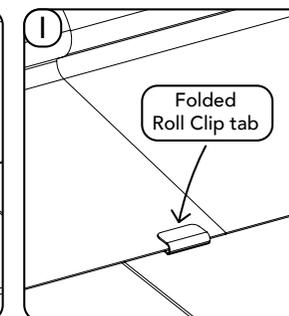
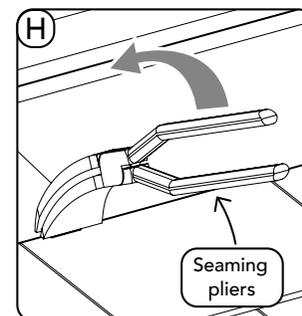
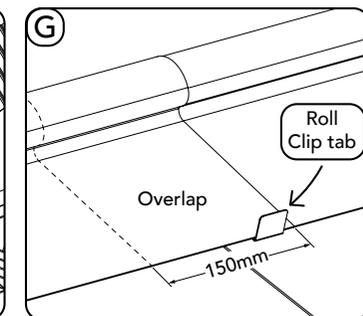
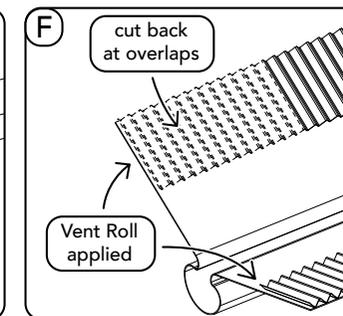
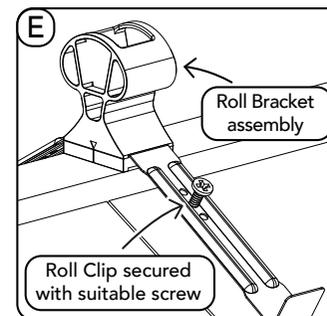
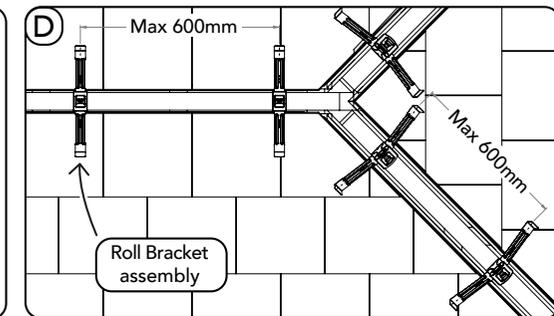
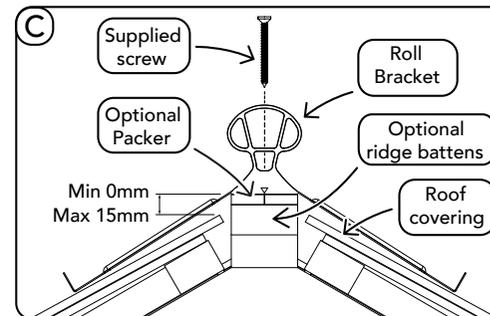
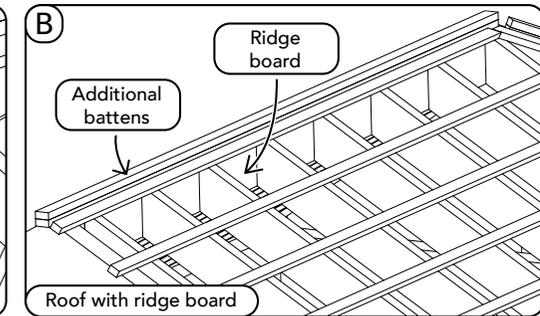
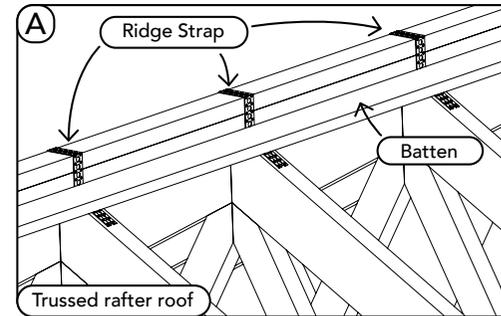
9. At the gable end termination, a soaker or under-flashing of lead or lead replacement material may be required below the Roll Profile. If terminating at a hip intersection, the Roll Profile should be cut back at the end to suit the angle of the Roll Profiles to the hip. [fig. J]

10. To fix the Roll Profile position, at both ends of the ridge, drill through the last folded Roll Clip tab and Roll Profile on both sides and fix using a single 4.0 to 5.0mm stainless steel pop-rievet. [fig. J & M]

11. To finish the open-ended gable detail, either use a fully adhesive lead replacement flashing material or slide over a Roll End Cap, drill through and fix using a single 4.0 to 5.0mm aluminium or stainless steel pop-rievet. [fig. M]

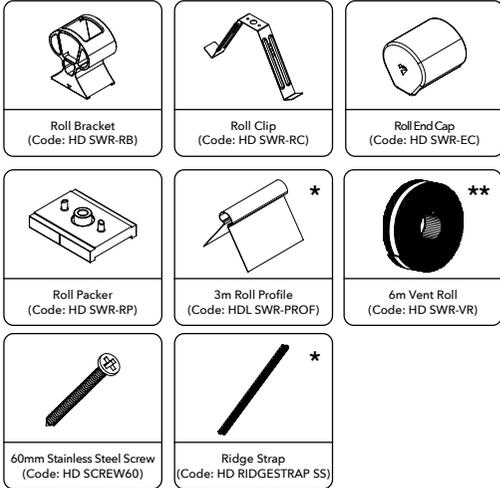
\*If required the Roll Clip may be drilled to suit

\*\*Included with SwiftRidg™+ kits



## Installation Recommendations

### Components



### Fixing Kits - 3m

#### SwiftRidg™ Code: HD SWR

(For non-vented applications)

- 6x Roll Bracket
- 6x Roll Clip
- 6x Roll Packer
- 6x 60mm Stainless Steel Screw
- 2x Roll End Cap

#### SwiftRidg™+ Code: HD SWR+

(For vented applications)

- 6x Roll Bracket
- 6x Roll Clip
- 6x Roll Packer
- 6x 60mm Stainless Steel Screw
- 2x Roll End Cap
- 1x 6m Vent Roll\*\*

\* Sold separately.

\*\* Part of SWR+ Kit, or can be purchased separately.

### Hip Installation

**12.** Install the underlay and tiling or slating battens as normal. Install 50mm wide batten lengths screwed to the hip rafter between the tiling/slating battens, and at the ridge & eaves to support a screw fixed continuous hip batten. As on the ridge, the Roll Clip should be set no less than the height of the finished roof surface and not exceeding 15mm above. [fig. C]

**13.** Complete the installation of the tiles or slates, cutting them neatly and close to the hip batten leaving a small gap of 5 to 10mm. As with the ridge, where the hip batten finishes below the finished roof surface height, the Roll Clip height may be increased by screw fixing an additional continuous hip batten or by using the Roll Packers to achieve the desired height.

**14.** The Roll Bracket and Clip assembly should be fixed with the screws provided along the hip line at 600mm centres maximum and in a straight line [fig. D]. At the eaves, the first bracket should be fixed as close to the eaves as possible, but with the Clip still over the roof covering. At an intersection with the ridge, the Bracket should be fixed as close to the ridge as possible, approximately 200mm from the junction.

**Note:** Where additional Packers are used to adjust the height, they should always be fitted below the Roll Clip.

**15.** For BRE wind zones 4 and 5, coastal locations or areas prone to high wind gust speeds (exceeding, 32m/s or 70mph), it is recommended that an additional 50 x 25mm batten be installed on both sides of the hip fixed through into the rafters or sarking board. The tiles or slates then may be drilled using a 5.0mm drill bit and suitable anti-corrosive screws fixed through the Roll Clip on both sides of the hip into the battens or sarking board for added wind protection. [fig. E]

**16.** Install the Roll Profile onto the Roll Brackets either by sliding along or snapping over the Roll Brackets allowing a 150mm

overlap where joints in the Roll Profile are required. [fig. G]

**17.** Using a suitable hand tool such as sheet metal seaming or bending pliers [fig. H], bend the end tabs of the Roll Clips onto the Roll Profile and pinch closed taking care not to lift the leg of the Roll Clip in the process. [fig I]

**Note:** The Roll Profile does not require to be gripped by the bent Roll Clip tabs, allow some sliding room for the Roll Profile.

**18.** When terminating at a ridge intersection, the Roll Profile should be cut at the end to match the opposite hip angle and fitted below the ridge Roll Profile. [fig. K]

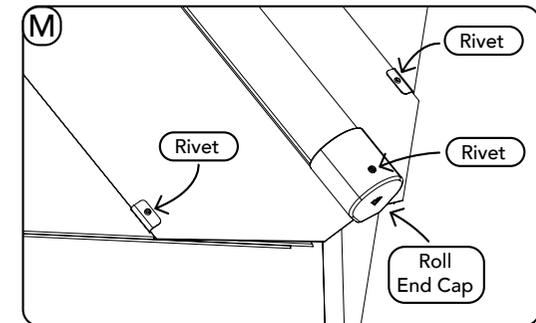
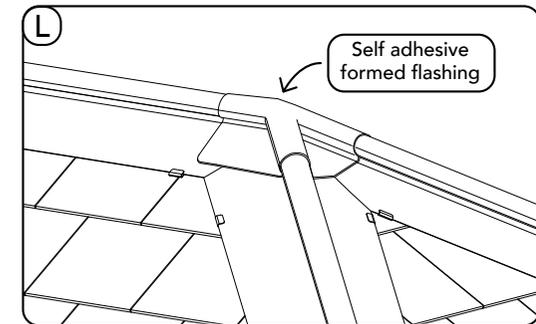
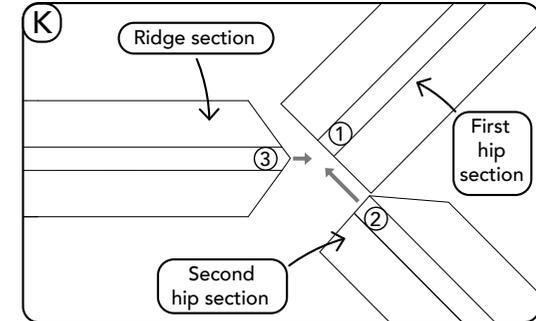
**19.** To weather the intersection of the hip and ridge joints, use a fully adhesive and formable lead replacement type flashing. [fig. L]

**20.** At the eaves termination, a soaker or under-flashing of lead or lead replacement material may be required below the Roll Profile. To finish the open-ended detail, either use a fully adhesive lead replacement flashing material or slide on a Roll End Cap, drill through and fix using a single 4.0 to 5.0mm aluminium or stainless steel pop-rivet. [fig. M]

**21.** Finally to fix the Roll Profile position, at both ends of the hip, drill through the last folded Roll Clip tab and Roll Profile on both sides and fix using a single 4.0 to 5.0mm stainless steel pop-rivet. [fig. J & M]



BRE Wind Zone Map



Patent Application No. 2308115.1