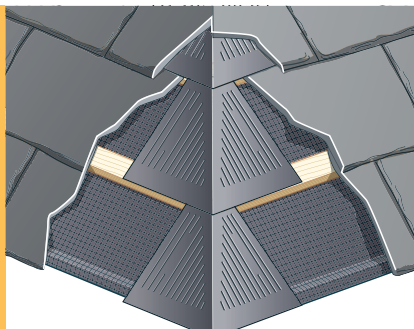


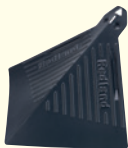
## CAMBRIAN MITRED HIP SYSTEM

Specifically designed for use with Cambrian Slates to achieve a neat mitred hip detail, whilst ensuring very high resistance to storm damage over a wide range of rafter pitches and plan angles.



### CAMBRIAN MITRED HIP SYSTEM: PRODUCT CODE AND DESCRIPTION

Description	Product Code	Contents	Coverage
Cambrian Mitred Hip System	9504	10 Weathering Units 10 Tail Clips and screws	Contains sufficient components in each pack for 10 courses of slates



Weathering Unit



Tail Clip and Screw



1

Install underlay and batten the roof in the normal manner:

The tiling battens should be carried onto the hip rafter and must meet at the same height and be mitre cut to form a close junction. Where the hip rafter projects above the level of the rafters the cut ends of the battens should be supported on noggings of timber positioned between the rafters and fixed to the hip rafter.

2

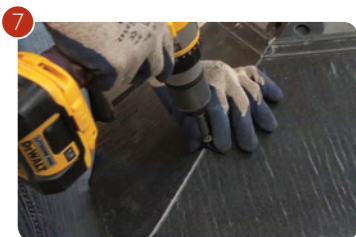
If two mitred hips meet at an apex it is useful to finish the final (top) course with a single double slate. This will assist ease of laying and provide the best visual effect. To achieve this on a roof with an even number of courses from eaves to ridge, the eaves course of slates should be laid out so that the centre of a double slate on the top course is directly below the apex. For a roof with an odd number of courses in the top course a slate bond should be positioned directly below the apex.



3

The first Weathering Unit should be positioned on the eaves course of battens using the batten locating lugs on the underside of the unit to ensure it is in the correct position. If the battens are supported on noggings and do not meet, ensure the top of the batten and the bottom of the locating lugs are in line. Fix the Weathering Unit in place with one of the aluminium nails supplied, positioning the nail at the top end of the slot.

## CAMBRIAN MITRED HIP SYSTEM



4

Lay the eaves course of slates; nailing and clipping as normal. At the hip, cut a slate-and-a-half or double slate to size as appropriate (see table), ensuring the gap between the cut slates is in the range of 3-5mm.

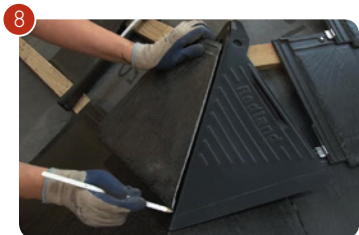
Slate-and-a-half	45° and above
Double Slate	<45°

5

Using the tail of the slate as a guide, cut the Weathering Unit to length with a sharp knife.

6

The raking cut slates should be fixed at the head with standard Cambrian Slate nails. Where the raking cut leaves only one nail hole, a second nail hole (3-3.5mm diameter) should be drilled on-site. All cut slates should be secured with at least two head fixings. At times this may involve nailing through the upper section of the Weathering Unit – this does not affect the weathertightness of the system.



7

The tail of the cut slates is secured using the blackened Tail Clip and woodscrew fixing supplied. Position the fixing as close to the tail of the slates as the head of the slates below will allow and secure using a screwdriver. The clip will flatten to accommodate varying pitches; however care should be taken to avoid over-tightening which may cause 'cocking' of the cut slate.

8

Position and nail the Weathering Unit in the second course and mitre slates as before. Trim the Unit, again using the tail of the slates as a guide. **Caution:** Do not fix slates in position at this point.



9

To prevent the cut slates riding up, pull the unit upwards towards the ridge until the cut slates just drop down onto the slates below.

10

Fully fix the slates as before. Repeat the operation for all courses. Depending on the detail a lead or Wakaflex Rapid Flashing saddle may be required to weather-proof the junction at the upper point of the hip. Where the Cambrian Mitred Hip System is used in combination with the Redland DryVent Ridge, Continuous Ridge System or Uni-Vent Rapid Ridge/Hip System, a Block-End Ridge is available to complete the ridge line. A small piece of DryVent Ridge filler should be positioned beneath the Block-End Ridge to ensure weathertightness.