

All-in-one

# REAL RIDGE®

## INSTALLATION GUIDE

PATENTED

**MAYAN**  
ROOFING SYSTEMS

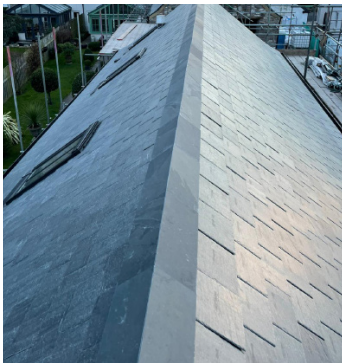
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\* This fitting guide is subject to continued improvement. Please ensure you follow the latest version, which can be found at [mayanroofingsystems.com/resources](http://mayanroofingsystems.com/resources)

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2. Product info
3. RealRidge Technical Drawing
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## All-in-one RealRidge - Natural slate ridge and hip system



<b>Colour:</b>	Natural Slate - Graphite
<b>Size (wing length x cover length):</b>	200mm x 500mm
<b>Thickness:</b>	Approx 11mm
<b>Weight:</b>	5 kg (average)
<b>Vent:</b>	5mm continuous
<b>Angles:</b>	75°, 90° ; 105° ; 120° ; 135° , 150°
<b>Fixings:</b>	RidgeFix 100mm Screw with nitrile washer Stainless steel part-threaded woodscrew <b>X 1</b> Additional RidgeFix 100mm screw provided with ends

### Ventilation



Built-in vent strip (5000mm<sup>2</sup>)  
continuous free air ventilation



### Installation

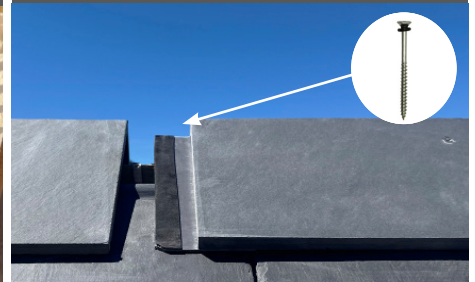


Dry Fix  
Interlocking connector  
system with EPDM seal



### Fixings (Included)

- ✓ Discreetly fixed through pre-drilled hole
- 1 x 100mm screw and washer
- (Ends: 1 x 100mm screw)



### Ridge / Hip



### Block end

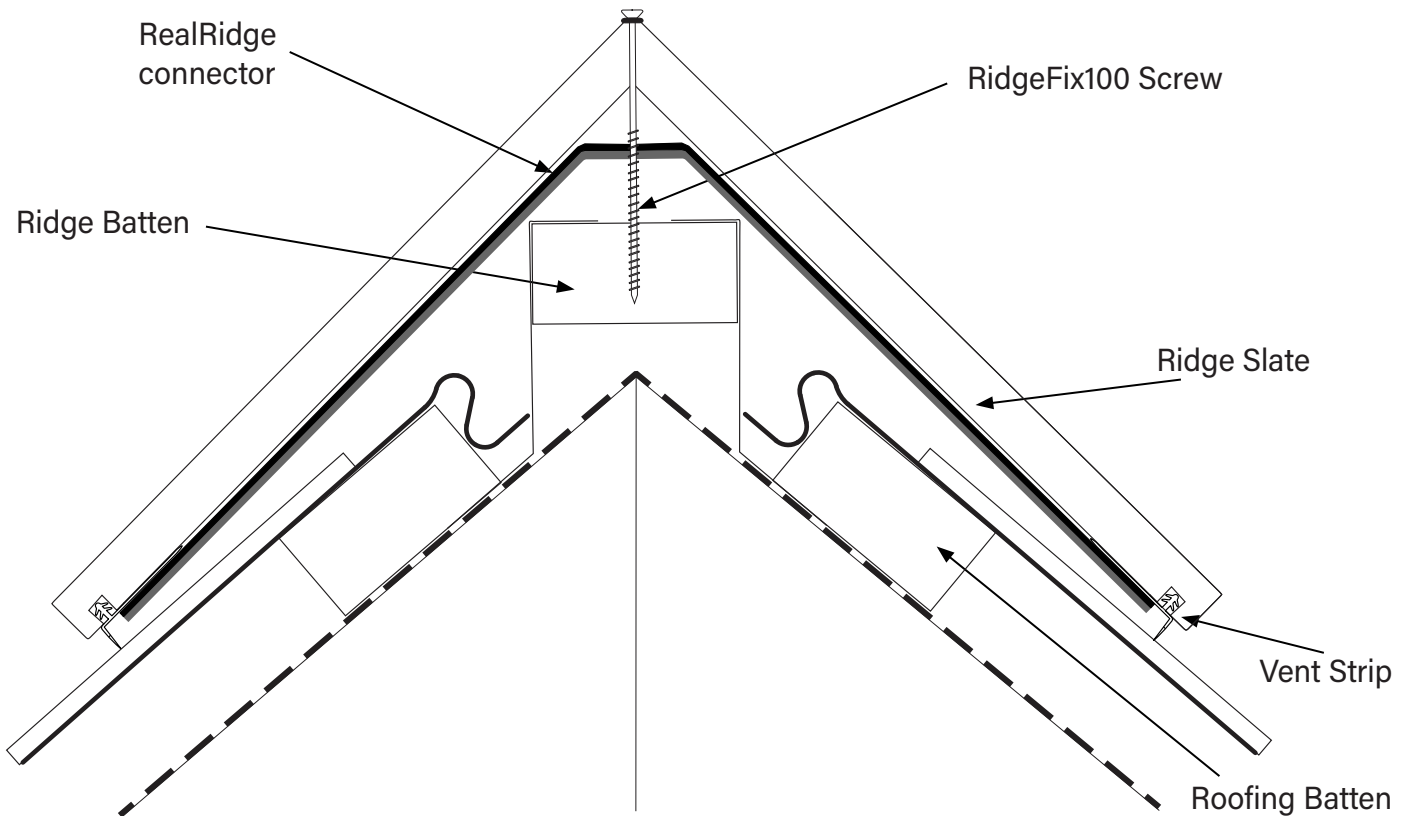


### Hip end





## PRODUCT SPECIFICATION



All-in-one RealRidge installed in situ with the ArmouredSlate system

## Ridge angle

When used in the hip application: It is normal practice to use a hip that is one angle wider than the ridge being used.

If in doubt of the angle, always choose the shallower angle (e.g. out of 105° and 90°, choose 90°).

Angles available:	Roof pitch
<b>75°</b>	Suitable for special roofs with a pitch up to 45 degrees
<b>90°</b>	From 37.5 up to 45 degrees
<b>105°</b>	From 30 up to 37.5 degrees
<b>120°</b>	From 22.5 up to 30 degrees
<b>135°</b>	Suitable for special roofs with a pitch up to 22.5 degrees
<b>150°</b>	Specialist ridge for low pitch applications, hexagonal roofs, bay window turrets etc.

## Site Safety

In all cases ensure a safe working environment. Site health and safety measures must be properly adhered to.

- ☑ Personal protective equipment must always be worn where required.
- ☑ RealRidge is a heavy object. Care must be taken when lifting and handling to avoid injury.
- ☑ The products must be properly handled and stored to avoid becoming a dangerous missile on site.

## FULL INSTALLATION INSTRUCTIONS

### Ensure

- Ensure you meet the requirements for roof space ventilation and the roof is correctly ventilated.
- Install in accordance with BS 5534.
- Store all materials correctly.
- Ensure safe working practice at all times.

The Mayan RealRidge system must be installed in accordance with this installation guide using only high-quality Mayan Roofing Systems products, including self-adhesive ArmouredFlashing and all fixtures and fittings provided.

### Ridge Batten

If a vented ridge is required, then the membrane should be cut along the centre line of the ridge so that an air gap of at least 10mm is created.

The ridge runner brackets should be fixed over the rafters or truss and the timber runner batten should be fitted into the brackets.

Hip runner battens should also be fitted to either side of the central batten to ensure that mitred battens and cut slates are securely double fixed. Cut slates can be re-drilled to ensure a double fixing.

With consideration to the dry ridge system, the top batten should be positioned a minimum of 40mm down from the very apex of the rafters/truss.



## Installation of RealRidge

### Install the first ridge

If using a block / hip end, this should be the first piece fixed into position from one end.

If not using a block / hip end, starting from one side, the built in GRP RealRidge connector faces inward so that the next RealRidge lays onto it.

The first ridge tile or block / hip end should always be **double** fixed into position using 2 RidgeFix stainless steel screws with nitrile washers.

Fix one 100mm screw through the pre-drilled hole in the top of the ridge, into the ridge runner batten.

Fix the second 100mm screw through the apex of the ridge, into the ridge runner batten. An additional hole may need to be drilled.



### Drilling the ridge

Standard block ends and hip ends are supplied pre-drilled. However, ridges can be drilled to provide an extra fixing, and cut tiles require drilling.

A 5mm Dia hole can be drilled 100mm in from the end of the ridge, straight down through the apex. Use a 10mm masonry bit to countersink, so that the screw fits flush and the washer seats when installed.

**DO NOT USE HAMMER ACTION WHEN DRILLING REALRIDGE** as it can break the slate.

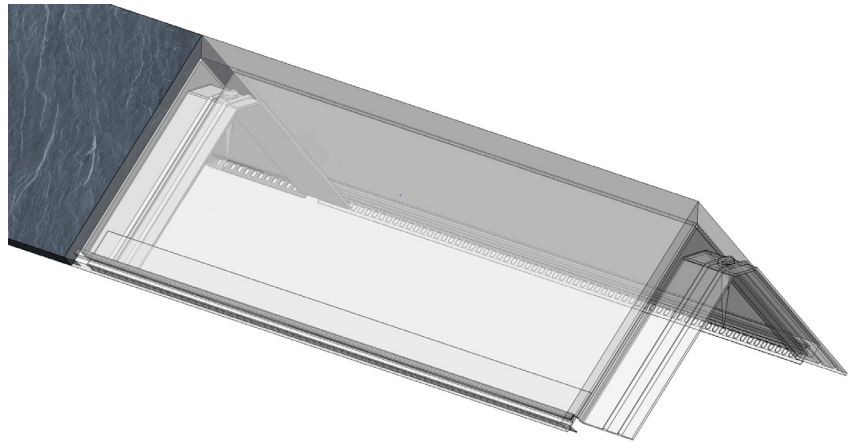
- Fix the second 100mm RidgeFix screw (supplied) through the ridge connector hole and into the batten.



## Installation of RealRidge Tiles

### Continue along the ridge

Install the next ridge tile by laying it on top of the previous ridge connector. Ensure that the two slate edges are pressed closely together.



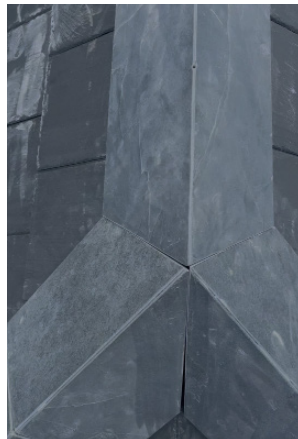
### Continue along the ridge

Install the next ridge placing the ridge over connector of the previous ridge. Screw each ridge into place through the pre-drilled hole at the apex and continue across the ridge.

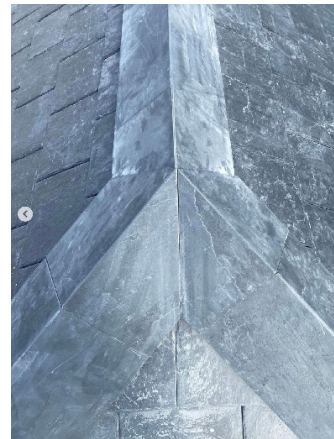


### Junction

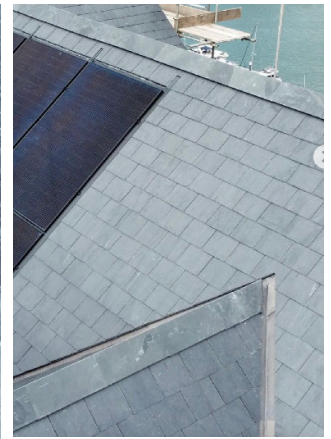
At any junction, where required the ridges should be mitred or cut to fit. A saddle should be installed below the junction to ensure waterproofing at this area. The ridges should be drilled wherever additional fixing screws are required.



Ridges cut to fit in mitre shape



Ridges can then be fixed over a saddle. cut



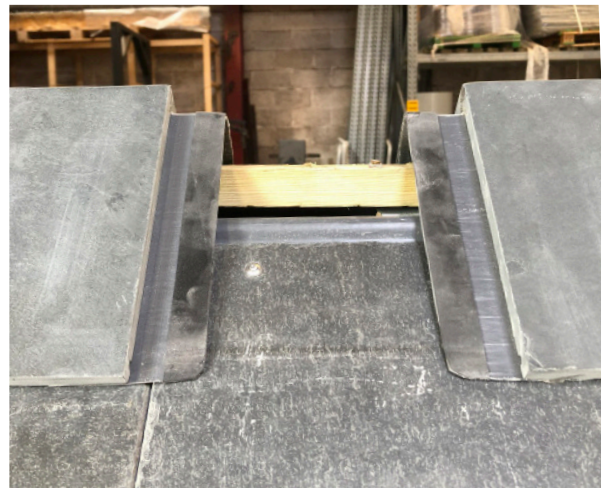
Ridges can be mitre cut to fit any junction

### Install the last ridge

At the end of the course, the last ridge tile or block end should be reversed (ridge connector facing inward). This ensures every join has a connector underneath.

Install the final ridge / block end by twice fixing:

- Drill a 5mm dia hole 100mm in from the end straight down from the apex into the ridge runner batten. Fix with a 100mm long RidgeFix screw through the top of the Ridge.



## Cut the ridge to fit

Measure the gap remaining between the last ridge tile / block end and the last full ridge tile installed - A (see figure 1).

Mark and accurately cut the ridge tile length to fit in this gap, **cutting from the connector side so that the last cut piece does not have a ridge connector**, and the cut piece fits neatly in the space

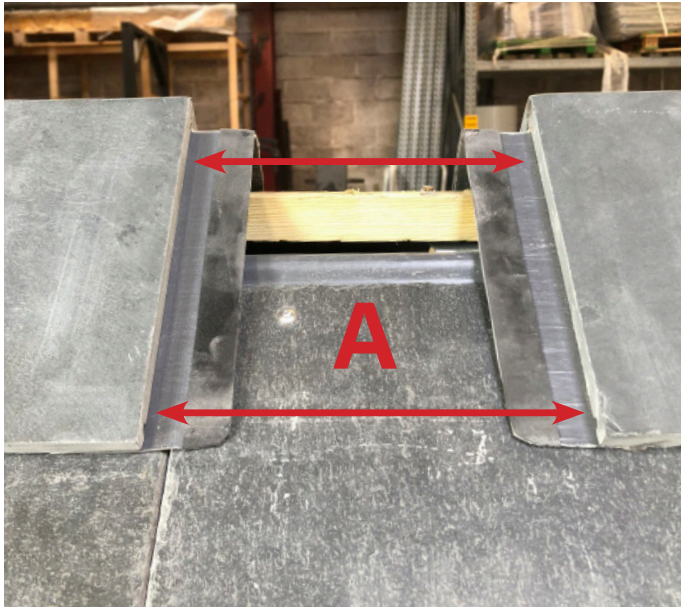
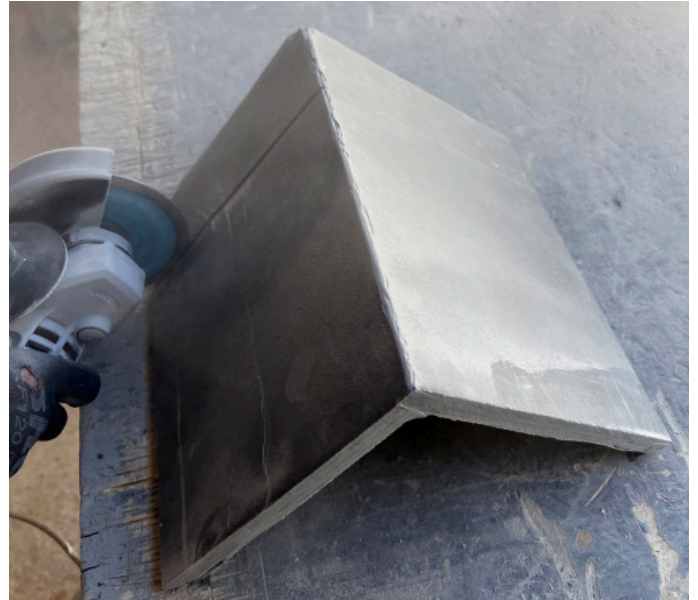


Figure 1



If required, drill an additional hole so that the cut piece has 2 X 5mm Dia holes down from the apex.

Drill the cut ridge 100mm in from either edge. Double fix through the top using 100mm RidgeFix 100mm screws with nitrile washers.



Place over the two connectors in the gap and double fix with 2 x 100mm RidgeFix screws (supplied).

