

The UK's first self-aligning, rapid-snap-fitting roof slate with all the natural character of Welsh slate.

Product Range

- Ruris Single
- Magna Double
- LH / RH Verge
- 300 x 500 Slate
- Batten Rail

Colour

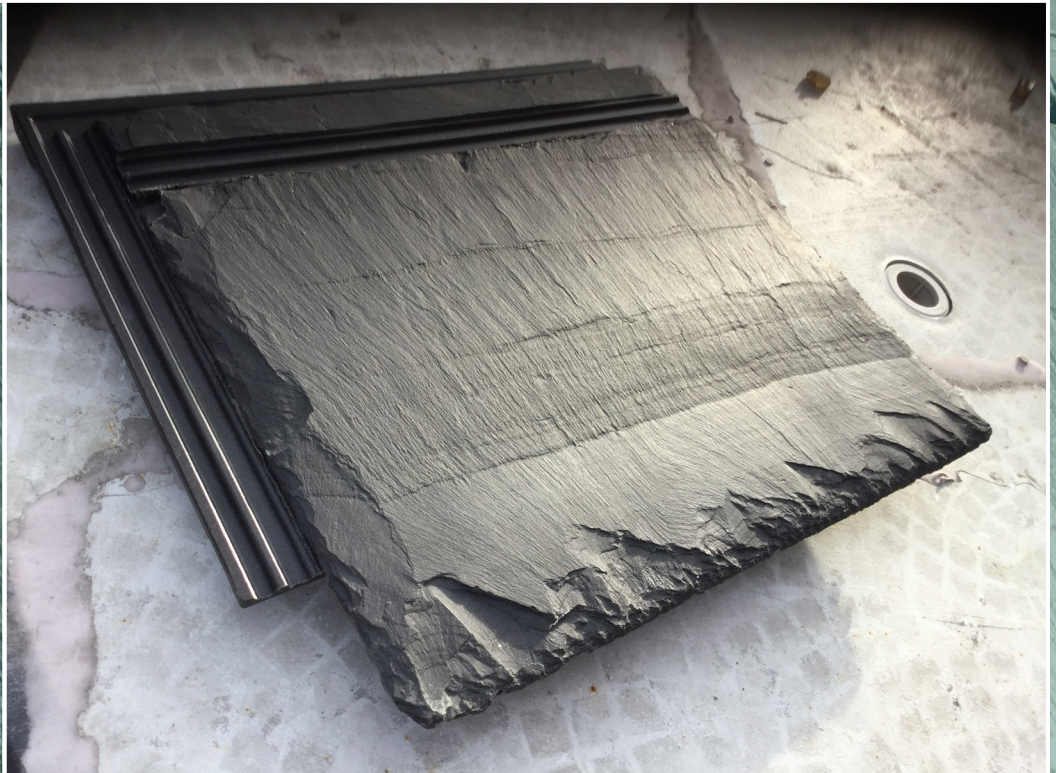
Available in three colours:

- Slate Grey
- Heather Blue
- Blue Grey

Certification

BRE BS:5534:2014
BS:476-3:2004
EN:14457
PD CEN 15601
(in progress)

Made in the UK



Carapace Slate embodies the unrivalled beauty and natural character of the venerable hand-cut Welsh Slate, whilst employing a revolutionary self-aligning, six-point interlocking system that eliminates the need for nails or screws. The result is a stunning slate roof finish with uncompromising security, fantastic environmental credentials and substantial savings on installation time and labour costs.

Natural Character

- Contains 80% ground waste slate by weight from the quarries of north Wales
- Infinite possible riven patterns – ensuring a unique installation
- Ability to replicate the character and colour of any natural slate

Rapid Installation

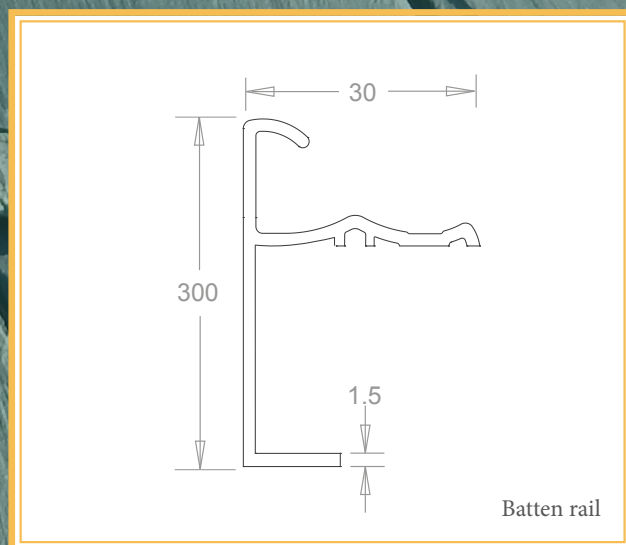
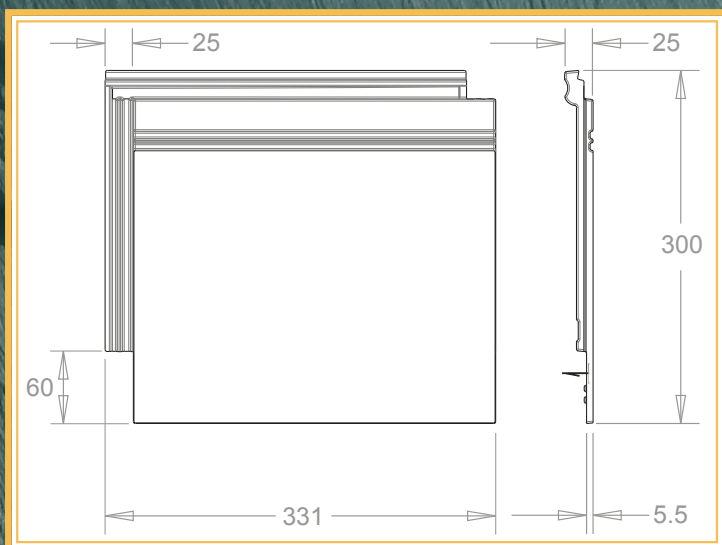
- Carapace Slate – 1 minute / m²
- Install the outer roof layer in hours

Environmentally Friendly

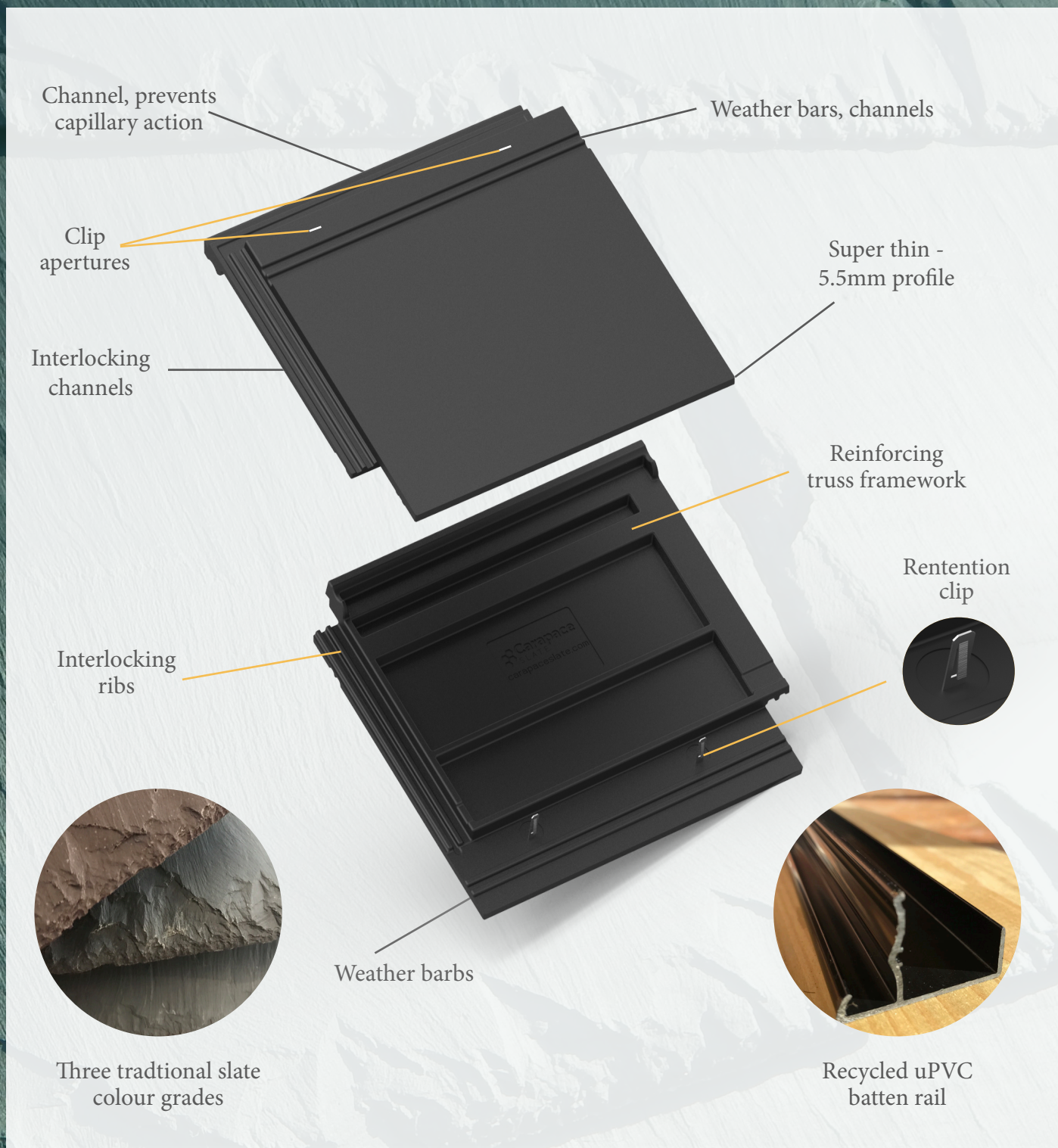
- Recyclable
- Lightweight – lower carbon footprint
- Low-power manufacturing process
- Made using surfeit, waste materials

Low Cost

- Retailing at £32 /m² (+VAT), Carapace Slate is the UK's most cost-efficient premium roof covering



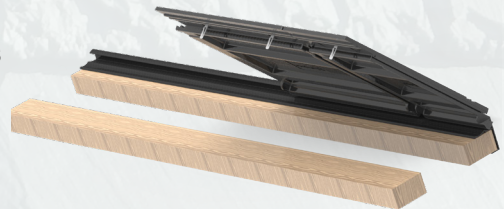
Size	300 x 331/ 637mm	Ruris Single/ Magna Double
Minimum Pitch	15°	Subject to testing
Maximum Pitch	90°	Subject to fire resistance requirements
Headlap	60mm	
Gauge	240mm	
Tile Thickness	5.5mm 25mm	Visible Envelope
Hanging Length	300mm	
Linear Cover of 1 Slate	306mm	
Covering Capacity	13.7 /m ²	
Laid Weight	18.4 kg/m ²	At 240mm gauge
Weight per 1000 Slates	1.34 tonnes	Approx.
Battens Required	4.00m/m ²	At 250mm gauge
Batten Size	38 x 25mm 50 x 25mm	Rafter centres up to 450mm Rafter centres up to 600mm



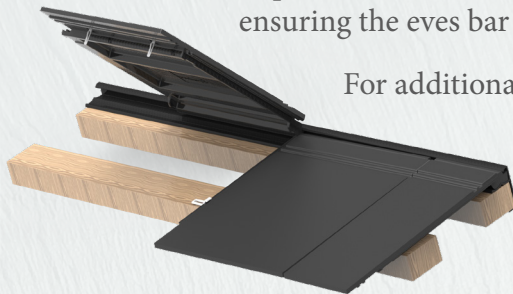
The Carapace Roofing system employs a revolutionary six-point interlocking fixing mechanism which mechanically couples each slate on all sides – achieving a formidable hold without using any additional nails or screws.

There are two principal components to the Carapace roofing system – the slates and a recycled uPVC batten rail which acts to mechanically connect each slate to the roof structure.

Before setting out, the batten rail snaps on to graded batten before being fixed orthogonal to the roof as described in BS: 10230-1 in conformance with BS:5534-2014, at a fixed gauge of 260mm.



The slates are laid single lap and broken bond from right to left. Starting at the eaves course with the right hand verge slate; the protruding ridge on the back edge of the slate is hinged into the hooked portion of the batten rail and lowered until it sits flush with the roof structure, ensuring the eaves bar is overlapped by 70mm.



For additional security and only at the first course, each slate is secured with an eve clasp, fixed using two 55mm ring shank nails. For verges, hips and valleys please refer to manufacturers full installation instructions.

Beginning at the right hand side of the second course, pivot the back edge of the slate into the batten rail. As the slate is lowered into position, two retention clips embedded within the front of the slate pass through naturally aligned apertures in the upper surface of a lower slate; expanding once engaged to prevent removal.



Firmly push the slates flush with the first course until you hear a loud click. Continue installing the slates until full coverage has been achieved. Visit carapaceslate.com/install for installation video.

Contact Us

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