



Bute

Interlocking tile with a small format appearance



The Bute is a thin leading edge flat interlocking tile which gives the appearance of a small format or a traditional plain tile, with the commercial benefit of a larger format tile.

The Bute is part of the Russell Natural Range; a series of thinner leading edge tiles with either a smooth face, a riven finish, or a mock joint format. Dependant on the colour chosen these can give a natural slate or clay appearance.

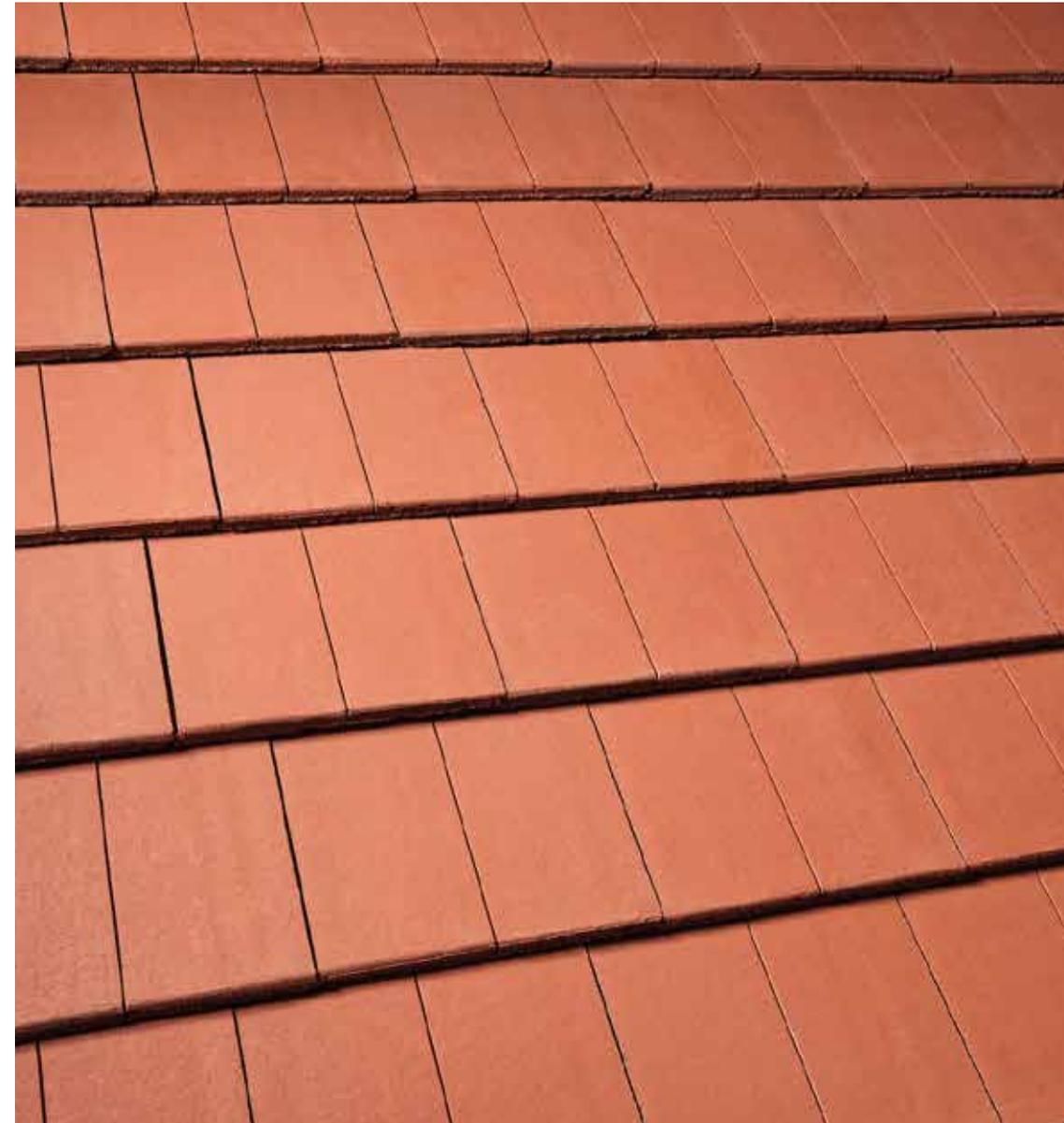
The interlocking design offers a secure roof covering and is ideal for projects where speed and ease of installation are of importance.

Natural Range tiles are manufactured using 15% less raw materials than a standard interlocking tiles and the production process allows for a 30% energy saving when compared to natural clay tiles.



Technical Data

Size	Weight	Thickness	Tiles per Pallet	Tiles Per Band
418 x 330mm	4.6kg	16mm	240	40
Compliance	Manufactured to the requirements of BS EN 490 and BS EN 491			
Manufacture	Produced by high pressure extrusion and compaction			
Fire	Non-combustable when tested to BS476: Part 3. 2004 (spread of flame and fire prevention). SAA Classification			
Maximum Pitch	60°			
Minimum Pitch	17.5° For rafters in excess of 8m please consult Russell Technical Department			
Headlap	125mm - 165mm 125mm - 145mm - when using Dry Verge or Vent Tiles			
Gauge (maximum)	293mm or 253mm			
Covering Width	300mm			
Covering Capacity	145mm headlap - 12.2 tiles/m ² 165mm headlap - 13.2 tiles/m ²			
Weight of Tiling	145mm headlap - 56kg/m ² 165mm headlap - 61kg/m ²			
Batten Size (minimum)	50 x 25mm (for rafters not exceeding 600mm c/c)			
Battens Required	293mm gauge - 3.3m/m ² 253mm gauge - 4.0m/m ²			
Ridge	Universal Angle, Multi, Half Round RussFast Ridge 5m			
Eave	Standard tile Eaves Vent System 6m			
Verge	1/4 or 3/4 tile in alternate courses with Natural Range Dry Verge (Dry Verge System to be used at maximum headlap of 145mm) or 150mm wide fibre reinforced cement strip to provide 30-60mm overhang			
Hip	Universal Angle, Multi, Third Round RussFast Hip 5m			
Valley	Dry Fix Valley (70mm components) or lead valley in accordance with LSA guidelines			
Roof Vents	Bute Vent Tile (to be used at a maximum headlap of 145mm)			
Top Abutment	Top abutment apron flashing or 3m abutment Vent System and separate apron flashing			
Side Abutment	Side abutment step and cover flashing with secret gutter or continuous side abutment flashing with secret gutter			
Tile Fixings	40 x 3.35mm Aluminium Alloy Nails, smooth or ring shank dependant on Fixing Specification.			





The Bute colour selection offers a range of natural and traditional roof appearances that are sympathetic to the architecture of the building and the surrounding area.



Q. What tile fixings are required?

A. Standard nails and clips can be used. Bespoke fixing specifications are available from the Russell Roof Tiles website:
www.russellrooftiles.com/fixing-specification

Q. How are Bute tiles laid?

A. Tiles should be laid broken bonded

Q. Is this effectively a fixed gauge tile?

A. No but we feel to give the best visual appearance we recommend that the headlap is not decreased by more than 10mm which will give some flexibility when setting out the roof.

Q. Will a short top course be required?

A. Depending on the rafter length a short top course may be needed. The tiles should be cut with the top part of the tile discarded and appropriate nail holes drilled in the remaining part of the tile. The tiles will need to be packed at the head to ensure the tiles lay in the correct plane. Alternatively a full tile is used on the top course depending on aesthetics required.

Q. Can Russell Natural Range Dry Verge Units be used?

A. Yes, but only up to 145mm headlap. If a short top course is required then the verge unit can be cut to length and a suitable fixing hole made to secure the unit using a 50mm x 3mm nail.

Q. Are traditional bedded verges suitable?

A. Yes, and verge clips may be required depending upon the recommendation of the fixing specification. If using mortared verges the headlap may be increased to a maximum of 165mm.

Q. Is the side shunt affected?

A. Each tile has approximately 3mm of adjustment within the interlock which will aid setting out the roof

Q. What Vent Tiles are available?

A. A Bute Concrete Vent Tile is available for use up to a maximum of 145mm headlap. For further information contact Russell Technical Department for guidance.

Q. Do valleys require any special consideration?

A. Traditional lead or GRP valleys can be used as normal. These should be installed to the recommendations of the Lead Sheet Association or the valley manufacturer. Valley tiles cannot be used with Bute tiles.

Q. Can bonnet or arris hips be used with Bute tiles?

A. Only Third Round, Multi, or Universal Angle Hip tiles can be used. These can be installed using either the Russfast Dry Hip. Mortar Bedding can be used but all hip tiles must be mechanically fixed.

Q. Can Baby ridge tiles be used with Bute tiles?

A. Baby Ridge tiles do not provide enough cover to be used with interlocking tiles and are therefore not recommended.

Q. What ridge systems can be used with Bute tiles?

A. Universal, Multi or Half Round ridge tiles can be used and we recommend using either the Russell RussFast Ridge system to ensure compliance with BS5534. Mortar Bedding can be used but all ridge/hip tiles must be mechanically fixed.

