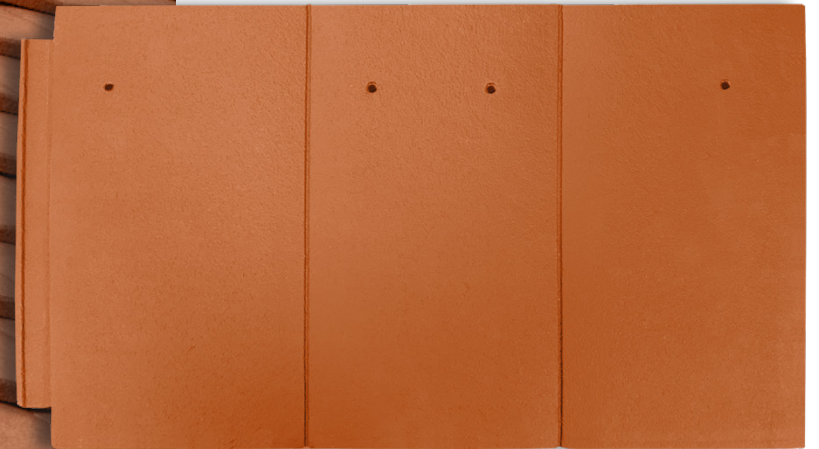




All Good Things Come in 3's!



A True Plain Tile Appearance

3 Plain Tiles in one unique interlocking roof tile design





The UK's First Multi-Functional Roof Tile

Bute3® is a revolutionary new concrete roof tile, combining 3 Traditional Plain Tiles with a standard interlocking roof tile format.

It blends innovative design with cutting-edge production techniques, making it the most versatile roof tile product in the UK market today.

Bute3® is produced on our state-of-the-art new production line, the first of its kind, at our newly constructed facility in Burton-on-Trent.

Construction of this new manufacturing facility demonstrates our dedication to product development and innovation, as well as a reduced carbon footprint and commitment to revolutionising the roof tile industry.

The bespoke production line has been designed for Russell Roof Tiles, utilising knowledge from industry experts, alongside a wealth of expertise from our own highly experienced staff. This in conjunction with the latest pioneering curing chamber technology, allows us to achieve the perfect blend of high-specification product with aesthetics and environmental credentials at its core.



Innovation

The UK's first multi-functional roof tile

3

3 double-cambered Plain Tiles in a single interlocking tile format

Tiles per m²
10.9

Requires only 10.9 tiles per m² versus other small format competitor derivatives (16-18m²)

33%

33% quicker to install

Ease of Fix

Meeting British Standards with minimal fixing requirements

One Tile Fits All

No need for ½ Tiles, ¾ Handed Tiles, or Tile & ½

Carbon Reduction

On average 40% more m² roof covering per load delivered

Efficient Production

Up to 20% more efficient production process

Natural Alternatives

A concrete tile offering a natural slate or clay tile appearance with 6 core colours available

14mm

The thinnest 'thin-leading edge' interlocking plain tile product on the market

Minimum Pitch
25°

Minimum pitch 25° v Standard 35° of plain tiles
(22.5° – 25° consult Technical)

15-40%

Up to 40% labour savings

Bespoke Accessories

Including dedicated Dry Verge, Tile Clips and RussVent Tile

RussSpec Guarantee

As part of a full roof system utilising complementary Russell Roof Tiles accessories

Less Energy Intensive

Up to 30% less energy used in production compared to clay tiles, according to market data

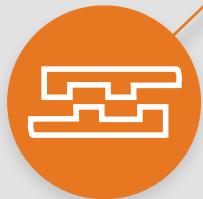
Carbon Net Zero 2040

Forms part of our ambitious Carbon Net Zero 2040 Target

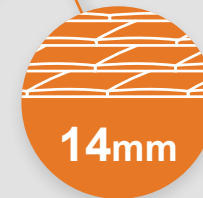
The UK's First Multi-Functional Roof Tile

A truly innovative design makes Bute3® the best alternative to small-format concrete, natural clay and slate roof coverings

4 nail hole positions offering a variety of options to ensure a secure mechanical fixing



Interlocking for a secure and easy installation, alongside dedicated tile clips



The thinnest 'thin-leading edge' interlocking plain tile product on the market



Innovative double-cambered design





Bute3®

Bute3® gives a true Plain Tile appearance in one unique interlocking roof tile design. Available in 6 colours, it provides a genuine alternative to natural slate, small-format concrete and clay roof tiles but with all the installation benefits that come with an interlocking standard format tile.

Size

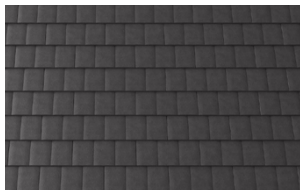
270mm x 495mm

Weight

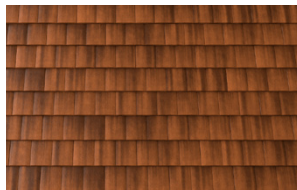
4.6kg

Thickness

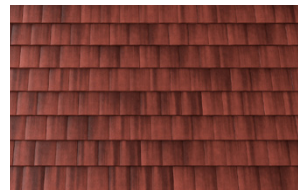
14mm



Anthracite



Burnt Orange



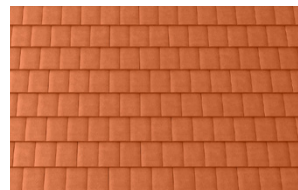
Cottage Red



Peat Brown



Slate Grey



Terracotta



Bute3® Tile Technical Data

Pitch (min.)	25°
For pitches between 22.5° - 25° or rafters in excess of 8m, please consult Russell Technical	
Headlap (min.)	75mm
Headlap (max.)	95mm
Gauge (min.)	175mm
Gauge (max.)	195mm
Width	495mm
Cover Width	470mm
Length	270mm
Hanging Length	250mm
Thickness	14mm
Tiles per m ² - 75mm headlap	10.9
Tiles per m ² - 95mm headlap	12.1
Batten per m ² - 75mm headlap	5.1
Batten per m ² - 95mm headlap	5.7
Batten Size	
Rafter Centres up to 600mm	50mm x 25mm
Rafter Centres up to 450mm	38mm x 25mm
Weight	4.6kg
Weight per m ² - 75mm headlap	50kg
Weight per m ² - 95mm headlap	56kg
Number of Nail Holes	4
Tile Nail Size	45mm x 3.35mm aluminium alloy clout

For coastal locations please consult Russell Technical

Accessories

Tile Clip	Bute3 Tile Clip
Eaves Clip	Bute3 Eaves Clip
Verge Clip	Bute3 Verge Clip
Verge	Bute3 Dry Verge Unit Bute3 Ridge End Cap Bute3 Eave Stop End
Ridge	RussFast Ridge 5m RussFast Mono Ridge 5m
Hip	RussFast Hip 5m
Eaves	Eaves Vent 6m
Abutment	Abutment Vent 3m
Vent Tile	Bute3 RussVent
Underlay	RussFast HR Underlay RussFast LR Underlay
Solar PV	RussFast Solar

Pallet Information

Tiles per Pallet	240
Tiles per Band	4
Tiles per Strip	40
Weight per Pallet	1119kg



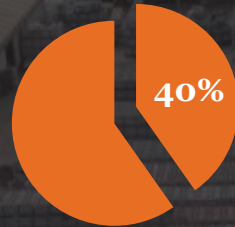
A Range of Environmental Benefits

Efficiency



Up to 20% more efficient production process

Carbon Reduction



Up to 40% fewer deliveries across a typical private housing site

Less Energy Intensive



Clay alternative

Bute3®

Up to 30% less energy usage in production compared to a clay tile, according to market data

Net Zero Roadmap



2040

Bute3® forms part of our wider commitment to our Net Zero target

Accreditations

Russell Roof Tiles has a long history of bringing new products to the market. Our existing tiles and accessories have decades of proven performance.

Like our full roof tile range, Bute3® is manufactured in an environment covered by a full set of quality and environmental accreditations.



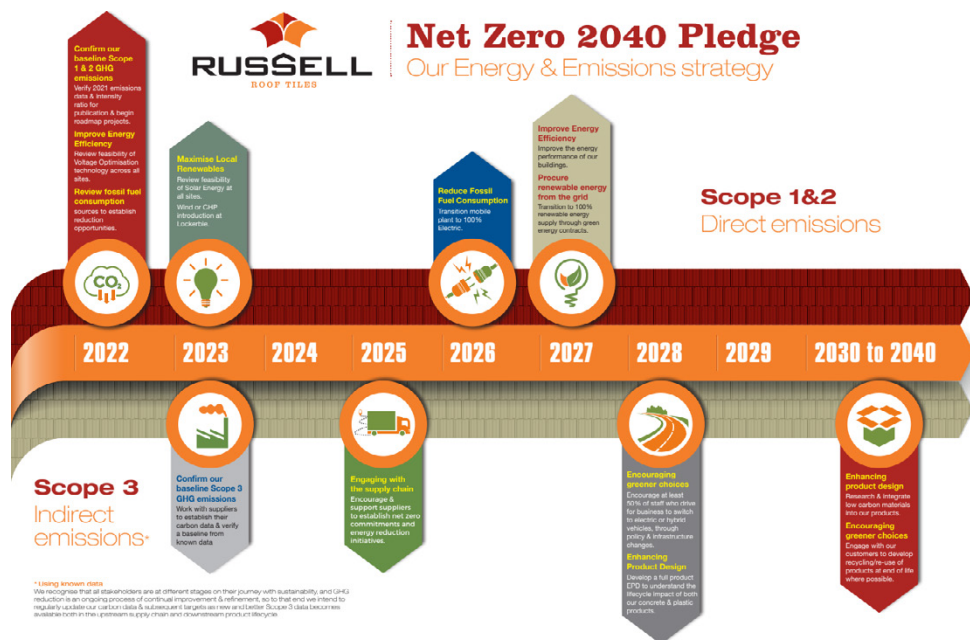
Carbon Net Zero 2040

Russell Roof Tiles recognises that as a leading supplier in the roofing sector, the company has an important role to play in supporting the UK's transition to Net Zero.

As part of our commitment towards this goal we have created a roadmap outlining our vision to become a Net Zero company by 2040 – 10 years earlier than the current Government agreed targets.

We have placed a major focus on direct emissions (Scope 1 & 2) as well as fossil fuel reduction, energy efficiency, maximising renewables and procuring green energy. We have worked closely with external accreditation agency Planet Mark to verify and measure its carbon and social data to reduce emissions over the last two years.

Bute3® incorporates our Net Zero target through both its design and our extensive investment in new manufacturing technologies.



Accessories

Bute3® has a range of bespoke accessories which offer a high-performance full roof solution. All Russell Roof Tiles accessories are purpose designed to meet the standard for Dry Fix Components (BS 8612) and have a dedicated and neat fit to suit the tile profile.

Bute3 Dry Verge System

The Bute3 Dry Verge is a high-quality mechanically fixed verge unit which does not require the use of mortar. It has been developed solely for use with the Bute3® roof tile and perfectly fits the tile's double-cambered design.

The Bute3 Dry Verge System is manufactured to meet the requirements of BS 5534 and BS 8612.

The system is made up of left and right-handed Dry Verge Units which securely connect to the adjacent unit and are mechanically fixed to the batten using the dedicated Dry Verge Screwnail. There are Ridge End Caps and Eaves Stop Ends to finish off the verge in an attractive manner.



**Bute3 Dry Verge
Unit**



**Bute3 Ridge
End Cap**



**Bute3 Dry Verge
Screwnail**



**Bute3 Eaves
Stop End**

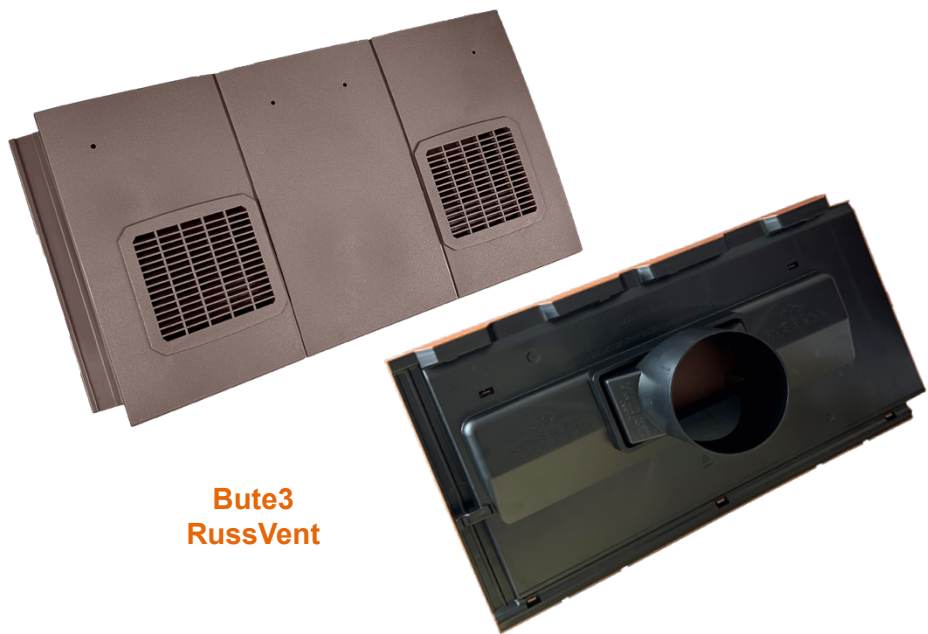


Bute3 RussVent

The Bute3 RussVent securely fits with the surrounding tiles and achieves a 10,000mm² free air capacity.

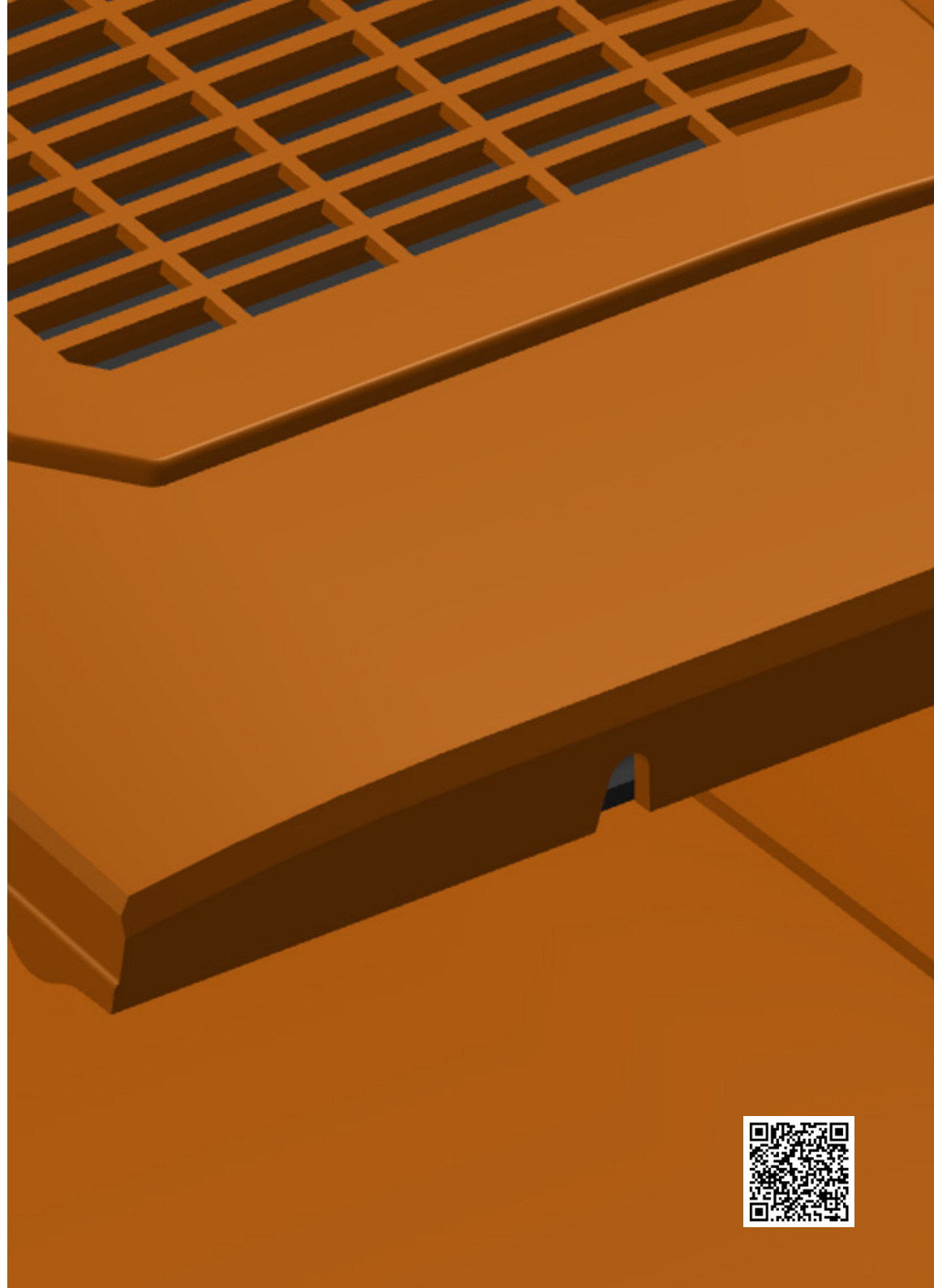
The vent comprises the outer vent unit, a base with rain discharge points, and an adaptor which can connect to a 110mm flexi pipe. The elements effortlessly interlock, creating a durable, high-quality unit.

The dimensions and minimum pitch of the Bute3 RussVent match that of the Bute3[®] tile.



**Bute3
RussVent**

110mm Flexi Pipe
supplied separately



RussFast Ridge & Hip Systems

Our RussFast Ridge and RussFast Hip systems are compatible with Bute3® and provide the secure fixing for ridge and hip tiles, without the need for mortar.

The systems feature dedicated fit components which ensure that they conform to the requirements of BS 5534 and BS 8612. RussFast Ridge and RussFast Mono Ridge also come with the option of a ventilated ridge roll to provide an equivalent 5mm air gap along the ridge line.



**RussFast Ridge
(5m)**



**RussFast Hip
(5m)**



**RussFast Mono Ridge
(5m)**



Bute3 Fixing Clips

Bute3® has its own uniquely designed tile clip which doesn't require nailing. The easy to install clip provides a secure fixing suitable for use in all UK locations and assists in the roof installation conforming to BS 5534.

The requirement for tile clips is determined by obtaining a site-specific fixing specification, available on our website.

There is also a dedicated Bute3 Verge Clip and Bute3 Eaves Clip where required.



**Bute3
Tile Clip**



**Bute3
Eaves Clip**



**Bute3
Verge Clip**

Bute3® Verge Clip nail size: 25mm x 3.35mm

Bute3® Eaves Clip nail size: 25mm x 3.35mm

(dependent on substrate/over fascia vent strips)



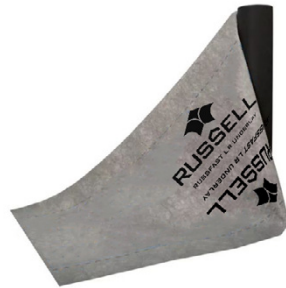
RussFast Underlay

Russell Roof Tiles offer a high-performance, high-resistance (HR) and low-resistance (LR) roofing underlay. Both underlays offer unrestricted use across the UK and are suitable for use in both warm and cold roof constructions, complying with BS 5534. When installed minimises condensation risk in the roof space in accordance with BS 5250.

RussFast Underlays have an excellent nail tear and tensile strength and there is no need for additional sealing tapes.



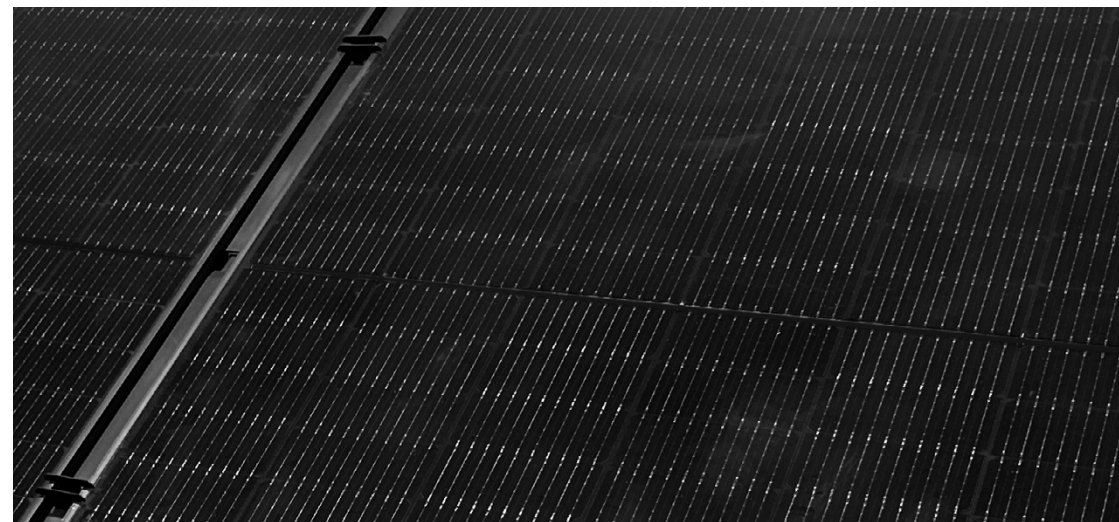
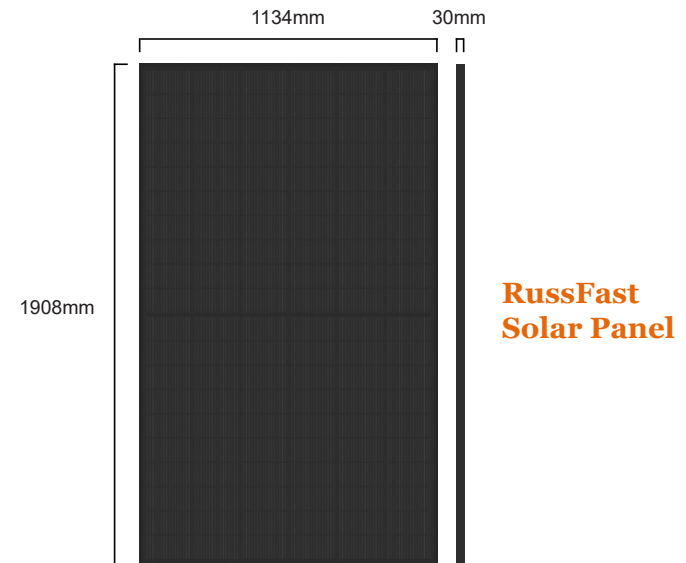
RussFast HR Underlay



RussFast LR Underlay

RussFast Solar

RussFast Solar is an in-roof solar PV system utilising an all-black panel. Our system features every element needed for a comprehensive in-roof array which is designed specifically to work with all of our interlocking tile profiles, including Bute3®.





RussSpec 15-Year Guarantee

RussSpec is aimed at architects and specifiers who require detailed roofing specification clauses. Each RussSpec gives clauses that comply with the recommendations of British Standards, Codes of Practice, building regulations and cover the Russell range of tiles and accessories. Roofs designed and installed in accordance with RussSpec are covered by the 15-year RussSpec Guarantee.

A RussSpec, in conjunction with a site-specific roof tile Fixing Specification, provides the assurance of correct detailing of the roof, accessories, fixings, ventilation, battens and underlay all in one comprehensive specification. Roofs fixed and built in accordance with the RussSpec are covered by a 15-year design liability guarantee.

Products must be installed using normal standards of good workmanship and should meet the requirements of the British Standards for slating and tiling (BS 5534:2014+A2 2018 and BS 8000- Part 6). Substitution of Russell components with other products at any stage of construction will invalidate the guarantee.

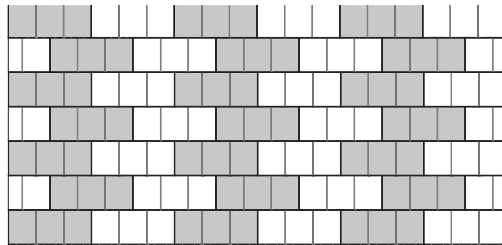


Setting Out Bute3®

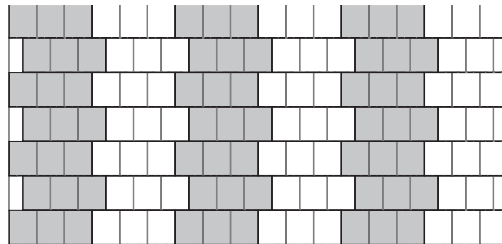
Bute3® is laid with a broken bond pattern as shown, starting with a full tile at the eaves verge, alternating courses with cut tiles to offset the bond.

Where two fixings at verges and perimeters are not possible, bond small tile cuts to adjoining full tiles (See Russell Roof Tiles Fixing Small Interlocking Tile Cuts Data Sheet).

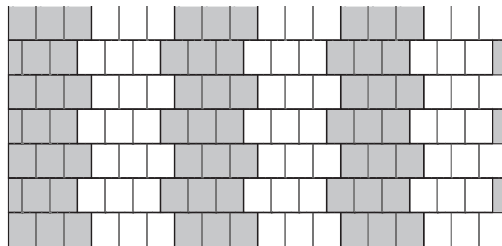
1/2 Bond Pattern



1/6 Bond Pattern



5/6 Bond Pattern

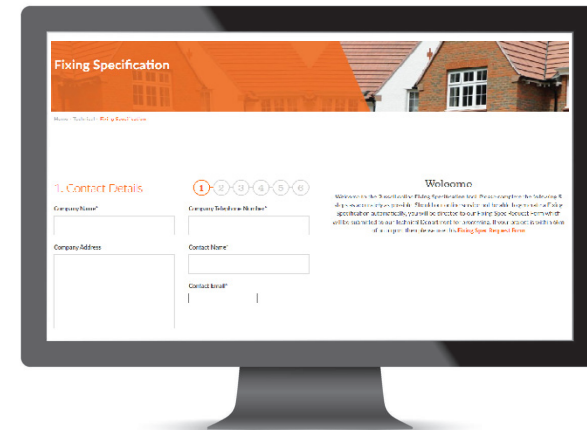


Support With Your Project from Start to Finish

We have a dedicated Technical Department with decades of combined experience within the pitched roofing industry.

The team has a specialist working understanding of all applicable British Standards, Regulations and Legislation in roofing, along with knowledge of the practical application of products and systems.

Our team offer technical advice and support for projects of all sizes – from hundreds of units on a multi-phase site to bespoke one off projects – anywhere in the UK. Web based tools available on our website include essential Fixing Specification software along with a roofing estimator, CAD drawings, BIM, installation guides and data sheets.



A Proven Record of Providing High-Quality Roofing Solutions

Russell Roof Tiles is wholly owned by Russell Building Products Ltd who acquired the business in November 2011. The company was originally founded in 1892 as Alexander Russell and Russell Roof Tiles has been manufacturing a range of concrete roof tiles and accessories since 1965 at its original location in Lochmaben, Dumfries and Galloway, before expanding to additional manufacturing facilities at Burton-on-Trent in 1991.

Since then, we have developed an extensive range of ventilation and dry fix systems suitable for both new and refurbishment projects that are designed to meet current building regulation requirements.

Russell Roof Tiles offer a growing range of roofing solutions for both commercial and housing projects. Our clients include major national house builders, numerous local authorities, housing associations, primary care trusts, care home providers as well as numerous commercial projects.

Contact

Our Customer Services and Technical teams can be contacted on the following:

Phone: 01283 517070

Email: salesenquiries@russellrooftiles.com

To find details of your regional sales contact please visit:
www.russellrooftiles.com/regional-sales-contacts

Russell Roof Tiles policy is one of continual product development and therefore, we reserve the right to alter product specifications without prior notice. Information contained within this document was accurate at the time of publication. For the most up-to-date information please visit our website: www.russellrooftiles.com





Büte[®]3

www.russellrooftiles.com