Typical Details

Eaves
- Underlay
- Monopile Tile
- 50 x 25mm s.w. batten for rafters at max. 600 c/c
- Cross-flow eaves ventilator
- Over-fascia ventilator
- Tiling flat

Ridge (Bedded)
- Continuous mortar edge bedding
- Universal Angle Ridge Tile
- Tile slip in solid bedding at butt joint
- 100mm minimum cover
- Underlay overlapped at ridge minimum 150mm

Lead Valley
- Mortar bedding into underlay
- 125mm maximum
- Underlay dressed over tiling flat into lead valley
- 19mm timber support board
- 4mm plywood sheathing
- 38 x 25 batten to support valley trusses
- Lead code No.4 or No.5 lead flashing

Top edge abutment
- Code 4 lead flashing to top course tiles extend 150mm min.
- Underlay

Side Abutment
- Step and Cover Flashing with secret gutter

Verge
- Standard Tile with truncated interlock
- Verge Clip
- Hall Tile

RUSSELL Roof Tiles
Nicolaon Way, Wellington Road, Burton-on-Trent, Staffordshire, DE14 2AW
Tel: 01283 517070 Fax: 01283 516290

Polden Tile

Polden is a thin leading edge riven finish flat interlocking roof tile which has the appearance of a slate when laid broken bonded.

Features and Benefits

Tile Specification

330
418

The roof is to be covered with 418mm x 330mm Russell Polden Tiled laid broken bonded to a maximum gauge of 318mm with a headlap of 100mm and fixed with 40mm x 3.35mm Aluminium alloy nails.

Elegant thin leading edge tile.

Slate type riven appearance with hidden interlocks and rounded front.

Smooth or annular ring shank as fixing specification or clipped where necessary.

www.russellrooftiles.co.uk
Technical Data

Compliance
Manufactured in accordance with the requirements of BS EN 490 “Concrete Roof Tiles and Fittings - Product Specifications” and BS EN 491 “Concrete Roof Tiles and Fittings - Test Methods”

Manufacture
Produced by high pressure extrusion and compaction

Fire
Non-combustible when tested to BS476: Part 3/1975 (spread of flame and fire penetration), SAA Classification

Guarantee
Tiles are guaranteed for a period of 50 years from the date of supply (subject to the normal terms of guarantee)

Maximum Pitch
60° (subject to fixing specification)

Minimum Pitch
17.5° (100mm headlap) normal exposure, rafter length not exceeding 8m
17.5° (125mm headlap) severe exposure, rafter length not exceeding 8m
22.5° (75mm headlap) normal exposure, rafter length not exceeding 6m
22.5° (100mm headlap) severe exposure, rafter length not exceeding 6m

Headlap (minimum)
75mm (20.5° and above)
100mm normal exposure (below 20.5°)
125mm severe exposure (below 20.5°)

Gauge (maximum)
343mm

Covering Width
300mm

Covering Capacity (max)
75mm headlap - 9.7m²
100mm headlap - 10.5m²
125mm headlap - 11.4m²

Weight of Tiling
75mm headlap - 45Kg/m²
100mm headlap - 49Kg/m²
125mm headlap - 52Kg/m²

Weight per 1000 Tiles
4.6 tonnes (approx)

Batten Size - minimum
50/25mm

Battens required
100mm headlap - 3.1m per m²

Ridge
Universal Angle Ridge or Multi Ridge
110° capped Angle Ridge
90° Angle Ridge, Feature Ridge Ridge Tails or Fillets
Dry Ridge System (ventilated or unventilated)
Security Ridge
Gas Vent Ridge Terminal
SoilVent Pipe Ridge Terminal

Eave
Standard Tiled

Verge
Half tile in alternate courses with 150mm wide fibre reinforced cement strip to provide 38-50mm overhang
or
Russell Thin Leading Edge Dry Verge Unit

Hips
105° angle, 120° angle, Universal Angle or Multi Ridge

Valleys
Open Metal Valley or GRP Valley Trough

Abutments
Abutment cap and cover flashing with secret gutter or abutment flashing with secret gutter

Nails for Tiles
49mm x 3.35mm Aluminium Alloy Nails
Smoot and annular ring shank dependant upon fixing specification

Tiles required along eaves

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Rafter courses: 160mm Min.

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</table>

Technical Data

Recommended Specifications

Underlay
Roofing underlay to BS5534 to be laid over rafters or rigid boarding, lapped horizontally and vertically to manufacturers recommendation and to be carried well into the abutments and secured with cloud nails
Water traps behind fascia should be avoided by provision of a proprietary underlay support or continuous lifting tiler

Battens
Approved quality softwood battens to be laid at maximum gauge 31mm secured to rafters with galvanised clips
To be at least 1.2m in length and fixed at each rafter with minimum one nail
To be butt jointed over rafters
No more than one batten in four to be jointed over each rafter
All ends must be sawn

Eaves
Standard tiles to be laid broken bond along eaves course
Ensure fascia board height or tiling fillet is correct so the eaves course is in the same plane as main roof and discharges into centre of gutter (approx. 38-50mm)
All tiles to be mechanically fixed

Abutments
Where tiling meets a top abutment tiles should be:
Laid as close to the wall as possible
Fixed with Russell Abutment Vent System and code 4 lead flashing in accordance with L.S.A. guidelines

Valleys
To be formed with a lead ingot or GRP trough fully supported by valley boards
Adjacent tiling to be cut neatly with batten underlaid to leave a clear channel of not less than 150mm in accordance with L.S.A. guidelines

Mortar
Where used it should consist of 3 parts sharp sand to 1 part Portland cement or any mix that meets BS 5534 (Clause 4.15)

Hips
To be covered with 120° Angle Hip Tiles
Edge bedded onto tiles with solid bedding at butt joints
Galvanised hip iron to be fitted at foot of each hip as suppled
Dry Hip system fitted with purpose made Block End Hip Tiles

Verges
½ bond only usually be accommodated by returning ¾ tiles, ½ tiles and full tiles. Adjustments to the under deck to up and the “shunt” in the tile width should be considered on the verge to verge roof areas.

Fixing Note: We recommend that our customers complete a fixing specification form for the job. The Russell service is free of charge and provides specification that complies with BS5534. It ensures that all topographical features are accounted for and ensures that the project is completed in accordance with the manufacturers recommendation. Please see additional literature for corresponding handlings and Dry Fix.

Ridge
To be covered with Russell Universal Angle Ridge Tails
Edge bedded onto the tiles with solid bedding at butt joints. 100mm min. cover over tops course. Provision should be made for mechanical fixing of two security ridge tiles, at each gable, party wall or abutment.
Dry Ridge - Russell Ventilated and Unventilated fitted in accordance with instructions
The Russell Dry Ventilated Ridge System provides the free area equivalent of a continuous 5mm gap to meet the new requirements of the Building Regulations and BS 5250.