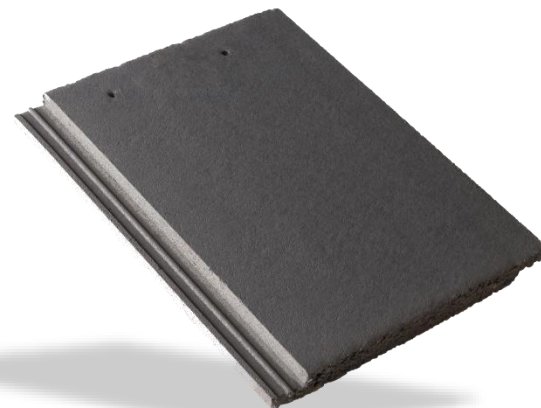
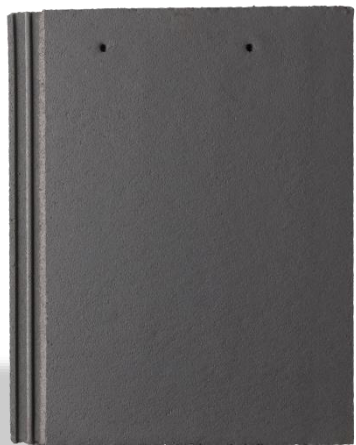


# *Grampian*

## *Product Information*

[www.russellrooftiles.com](http://www.russellrooftiles.com)

# *Grampian*



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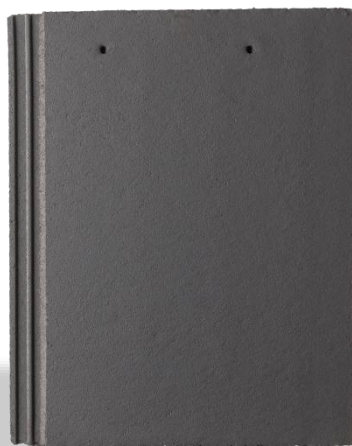
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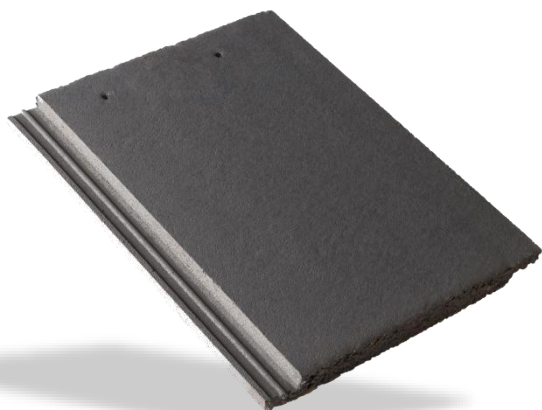
## Technical Data 1 of 2

<b>Size</b>	418 x 330mm
<b>Compliance</b>	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"
<b>Manufacture</b>	Produced by high pressure extrusion and compaction
<b>Fire</b>	Non-combustible when tested to BS476: Part 3.2004 (spread of flame and fire penetration). SAA Classification
<b>Guarantee</b>	For information on our Guarantees please see our website <a href="http://www.russellrooftiles.co.uk">www.russellrooftiles.co.uk</a> or contact our Technical department on 01283 517070 extension 3
<b>Maximum Pitch</b>	60° (subject to fixing specification)
<b>Minimum Pitch</b>	17.5° (100mm Headlap) 22.5° (75mm Headlap)
<b>Headlap (minimum)</b>	75mm
<b>Gauge (maximum)</b>	343mm
<b>Covering Width</b>	298mm
<b>Covering Capacity (net)</b>	75mm Headlap – 9.8 Tiles/m <sup>2</sup> 100mm Headlap – 10.6 Tiles/m <sup>2</sup>

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## Technical Data 2 of 2

<b>Weight of Tiling</b>	75mm Headlap – 53kg/m <sup>2</sup> (approx) 100mm Headlap – 58kg/m <sup>2</sup> (approx)
<b>Weight per 1000 tiles</b>	5.4 tonnes (approx)
<b>Batten Size (minimum)</b>	50 x 25mm (for rafters not exceeding 600mm c/c nailed to BS5534)
<b>Battens Required</b>	75mm Headlap – 2.9m per m <sup>2</sup> 100mm Headlap – 3.1m per m <sup>2</sup>
<b>Ridge</b>	Universal Angle Ridge, Multi Ridge and Half Round Ridge Feature Ridge Tiles or Finials Dry Ridge System (ventilated or unventilated) Gas Vent Ridge Terminal Soil/Vent Pipe Terminal
<b>Eave</b>	Standard Tile
<b>Verge</b>	Half Tile in alternate courses with 150mm wide fibre reinforced cement strip to provide 38-50mm overhang or Standard Russell Interlocking Dry Verge Units
<b>Hips</b>	Universal Angle, Multi Ridge or Third Round Hip
<b>Valleys</b>	Open Metal Valley or GRP Dry Valley Trough
<b>Abutments</b>	Abutment step and cover flashing with secret gutter or abutment flashing with secret gutter
<b>Tile Fixings</b>	50mm x 3.35mm Aluminium Alloy Nails, smooth or annular ring shank dependant upon fixing specification

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