

# Grampian

A standard flat interlocking roof tile laid half broken bonded. It provides the traditional appearance of slate and clay tiles with the security of an interlocking design and with the commercial benefits of concrete.

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Size	Weight	Thickness
418 x 330mm	5.4kg	30mm







The Grampian is part of The Commercial Range - traditional interlocking tiles in a variety of profiles to provide cost effective solutions.

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Tiles per Pallet	Weight of Pallet
192	1037kg
Tiles per Band	Weight of Band
32	173kg











For up to date stock and non-stock colours, and to request a sample, please visit our website:



Slate Grey

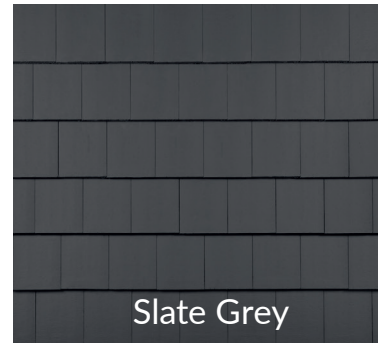
Anthracite

Peat Brown

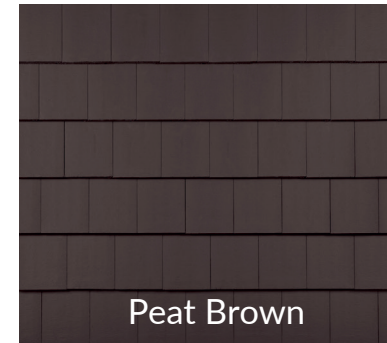


Terracotta

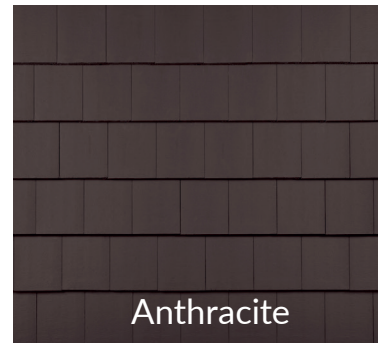
Cottage Red



Slate Grey



Peat Brown



Anthracite



Terracotta



Cottage Red



## Technical Data

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	75mm - 22.5° 100mm - 17.5°
Minimum Headlap	75mm
Maximum Gauge	343mm
Covering Width	298mm
Covering Capacity	75mm headlap - 9.8 tiles/m <sup>2</sup> 100mm headlap - 10.6 tiles/m <sup>2</sup>
Weight of Tiling	75mm headlap - 53kg/m <sup>2</sup> 100mm headlap - 58kg/m <sup>2</sup>
Batten Size (minimum)	50 x 25mm (minimum, for rafters not exceeding 600mm c/c)
Battens Required	343mm gauge - 2.9m/m <sup>2</sup> 318mm gauge - 3.1m/m <sup>2</sup>
Ridge	Universal Angle, Multi, Half Round, RussFast Ridge 5m (to suit ridge profile)
Eave	Standard Tile, Eaves Vent System 6m
Verge	1/2 tile in alternate courses with Commercial Range Dry Verge or mortar bed to meet required standards
Hip	Universal Angle, Multi, Third Round, RussFast Hip 5m
Valley	Dry GRP Trough (110mm components) or lead valley in accordance with LSA guidelines
Side Abutments	Abutment step and cover flashing with secret gutter or continuous side abutment flashing with secret gutter
Top Abutment	Top abutment apron flashing or 3m Abutment Vent System and separate apron flashing
Roof Vents	Grampian Vent Tile or Grampian RussVent
Tile Fixings	50 x 3.35mm Aluminium Alloy Nails, smooth or ring shank dependent on Fixing Specification





Russell Roof Tiles holds a number of key accreditations which demonstrate our values of quality, sustainability, and local community.

BES 6001: Issue 3 – Responsible Sourcing of Construction Products

ISO 45001 - Health & Safety Management

ISO 9001 - Quality Management

ISO 14001 - Environmental Management

UKCA - Declaration of Performance

Supply Chain Sustainability School - Gold Status

Member of the RIBA CPD Providers Network