

| Technical Data - Balmoral | |
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| Minimum roof pitch | 22.5° |
| Headlap (minimum) | 75 mm |
| Headlap (maximum) | 120 mm |
| Batten spacing at maximum gauge | 255 mm |
| Batten spacing at minimum gauge | 210 mm |
| Size of slate | 330 x 226 mm |
| Covering capacity at maximum gauge | 20.5 slates per m ² |
| Cover width | 191 mm |
| Profile depth | 16 mm |
| Hanging length | 300 mm |
| Weight as laid | 47.2 kg per m ² |
| Weight per 1000 (including pallet & packaging) | 2.14 tonnes |
| Weight per slate | 2.04 kg |
| Weight per pallet (including pallet & packaging) | 1.028 tonnes |
| Quantity per pallet | 480 |
| Quantity per row/band | 40 |
| Quantity per mini pack | 10 |
| Quantity per layer | 120 |
| Mini packs per row | 4 |
| Battens per m ² | 3.9 m |
| Batten size - up to 450 mm rafter centres | 38 x 25mm |
| Batten size - up to 600 mm rafter centres | 50 x 25mm |
| Nail size/type for slates | 45 x 3.35 mm aluminium ring shank clout head |
| Nail size/type for metal slate clips | 55 x 3.35 mm aluminium ring shank clout head |
| Nail size/type for plastic slate clips | 55 x 3.35 mm aluminium ring shank clout head |

Product specification is subject to change and will be updated accordingly

For projects where the rafters are below the minimum recommended roof pitch please contact Sandtoft Technical Department for advice

Clay slates are subject to small variations in size because of drying and firing shrinkage in the manufacturing process. Before deciding on the batten gauge and linear coverage, the roof slater should inspect each batch of slates to ensure that the correct minimum headlap and sidelap are achieved. For further guidance, download the [Balmoral Installation Guide](#).

Note: unless otherwise stated, data is based on the slates laid at minimum headlap.

Slate Fixing

Sandtoft roof slates must be laid and fixed to comply with BS 5534: the British Standard Code of practice for slating and tiling, and BS 8000: Part 6: the British Standard Code of practice for workmanship on building sites.

To ensure compliance with these Standards we strongly recommend that a calculated fixing specification be obtained from Sandtoft Technical Support or using Sandtoft's online FixSPEC tool at www.wienerberger.co.uk or www.roofspec.co.uk

For further information go to www.wienerberger.co.uk or contact Sandtoft Technical Support on 0844 9395 999.