

Technical Data – BritSlate Countess	
Minimum roof pitch*	22.5°
Size of slate	510 x 255 mm
Cover width	255 mm
Profile depth	6 mm
Weight per 1000 (including crate & packaging)	1.4 tonnes
Weight per slate	1.3 kg
Weight per crate (including crate & packaging)	1.400 tonnes
Quantity per crate	1000
Batten size - up to 600 mm rafter centres	50 x 25mm
Nail size/type for slates	38 x 2.95 mm aluminium ring shank clout head

Product specification is subject to change and will be updated accordingly. Unless otherwise stated, data is based on the slates laid at minimum headlap.

Technical Data – BritSlate Duchess	
Minimum roof pitch*	20°
Size of slate	610 x 305 mm
Cover width	305 mm
Profile depth	6 mm
Weight per 1000 (including crate & packaging)	2.0 tonnes
Weight per slate	2.0 kg
Weight per crate (including crate & packaging)	1.500 tonnes
Quantity per crate	750
Batten size - up to 600 mm rafter centres	50 x 25mm
Nail size/type for slates	38 x 2.95 mm aluminium ring shank clout head

Product specification is subject to change and will be updated accordingly. Unless otherwise stated, data is based on the slates laid at minimum headlap.

For projects where the rafters are below 22.5 degrees **the roof substructure** must be installed in accordance with the **Sandtoft low pitch installation guide**. Contact Sandtoft Technical Department for advice and a full roof specification. **Rafter length restrictions** apply at minimum roof pitch.

Concealed BritSlate ventilators must not be used on roof pitches below 22.5°. A low pitch concealed ventilator is available. Contact Sandtoft technical Services for further information.

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 [BritSlate Installation Guide](#).

Natural weathering

A natural weathering of the recycled slate will result in a change to the exposed surface, replicating the appearance of natural slate. Contact Sandtoft technical Services to request a mini-sample that shows the comparative change to the surface appearance due to weathering, the rate of which depends on the local environment, climate and aspect of the roof.

Slight colour variations may exist between batches. Slates should be randomised on site to achieve a consistent appearance when installed.

Moderate exposure								
Rafter pitch	20°	22.5°	25°	30°	35°	40°	45°	69°
Headlap (minimum)								
Duchess	130	115	90	75	75	65	65	-
Countless	-	115	90	75	75	65	65	65
Coverage (m ²)								
Duchess	13.7	13.3	12.6	12.3	12.3	12.1	12.1	-
Countless	-	19.9	18.7	18.1	18.1	17.7	17.7	17.7
Batten gauge (mm)								
Duchess	240	247	260	267	267	272	272	-
Countless	-	197	210	217	217	222	222	222
Battens per m ²								
Duchess	4.16	4.05	3.84	3.74	3.68	3.68	-	-
Countless	-	5.08	4.76	4.61	4.65	4.50	4.50	4.50
Weight as laid (kg per m ²)								
Duchess	27.4	26.6	25.2	24.6	24.6	24.2	24.2	-
Countless	-	27.9	26.2	25.3	25.3	24.8	24.8	24.8

Severe exposure								
Rafter pitch	20°	22.5°	25°	30°	35°	40°	45°	69°
Headlap (minimum)								
Duchess	-	130	120	110	90	80	75	-
Countless	-	-	115	100	90	75	75	75
Coverage (m ²)								
Duchess	-	13.7	13.4	13.1	12.6	12.4	12.3	-
Countless	-	-	19.9	19.1	18.7	18.1	18.1	18.1
Batten gauge (mm)								
Duchess	-	240	245	250	260	265	267	-
Countless	-	-	197	205	210	217	217	217
Battens per m ²								
Duchess	-	4.16	4.08	4.00	3.84	3.77	3.74	-
Countless	-	-	5.08	4.88	4.76	4.61	4.61	4.61
Weight as laid (kg per m ²)								
Duchess	-	27.4	26.8	26.2	25.2	24.8	24.6	-
Countless	-	-	27.9	26.7	26.2	25.3	25.3	25.3

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.