

<b>Technical Data – 20/20</b>	
Minimum roof pitch*	15° at 100mm headlap 22.5° at 75mm headlap
Headlap (minimum)	75 mm
Headlap (maximum)	120 mm
Batten spacing at maximum gauge	255 mm
Batten spacing at minimum gauge	210 mm
Size of tile	330 x 226 mm
Covering capacity at maximum gauge	22.7 tiles per m <sup>2</sup> at 100mm headlap 20.5 tiles per m <sup>2</sup> at 75mm headlap
Cover width	191 mm
Profile depth	16 mm
Hanging length	300 mm
Weight as laid	45.4 kg per m <sup>2</sup> at 100mm headlap 41.0 kg per m <sup>2</sup> at 75mm headlap
Weight per 1000 (including pallet & packaging)	2.1 tonnes
Weight per tile	2.0 kg
Weight per pallet (including pallet & packaging)	1.008 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 <sup>2</sup>	4.3 m at 100mm headlap 3.9 m at 75mm headlap
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 tiles	45 x 3.35 mm aluminium ring shank clout head
Nail size/type for metal tile clips	55 x 3.35 mm aluminium ring shank clout head
Nail size/type for plastic tile clips	55 x 3.35 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 tiles 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 20/20 tile ventilators** must not be used on roof pitches below 22.5°. A low pitch version is available. Contact Sandtoft technical Services for further information.

Clay tiles 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 tiler should inspect each batch of tiles to ensure that the correct minimum headlap and sidelap are achieved. For further guidance, download the [20/20 Installation Guide](#).

#### Tile Fixing

Sandtoft roof tiles 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](http://www.wienerberger.co.uk) or [www.roofspec.co.uk](http://www.roofspec.co.uk)

For further information go to [www.wienerberger.co.uk](http://www.wienerberger.co.uk) or contact Sandtoft Technical Support on 0844 9395 999.