

The Planum Concrete Flat Tile

Technical Data:

Tile Type:	Crest Nelskamp Planum I & II (Duo) Flat Tiles
Tile Size (length x width):	420 x 332mm
Tile thickness:	22.5mm
Gauge:	312 - 340mm
Covering capacity:	9.7 -10.7 tiles per m ²
Covering width:	300mm
Minimum roof pitch:	15°
Headlap:	75mm: 22° and above 100mm:15°- 22°
Weight:	5 kg per tile
Weight as laid:	49 kg/m ² @ 340mm gauge 53.5 kg/m ² @ 312mm gauge
Batten size:	50 x 25mm for rafter centres up to 600mm 38 x 25mm for rafter centres up to 450mm
Battens required:	3.2 m/m ² @ 312mm gauge 2.94 m/m ² @ 340mm gauge
Nail size:	45 x 3.35mm aluminium ring shank nails
Tile clip:	ref no. 409/019/430
Quantity per pallet:	180 tiles
Weight per pallet:	920kg approx.

Planum Concrete 1



Planum Concrete 2 Duo



Crest Planum Concrete Tile Fixing:

These roof tiles must be laid and fixed in accordance with the requirements of BS 5534:2014 British Standard Code of Practice for slating and tiling and BS 8000: Part 6 British Standard Code of Practice for workmanship on building sites. Please also refer to NHBC Technical Standards, Part 7 - Roofs. Chapter 7.2 Pitched Roofs.

All tiles at the perimeter must be twice nailed with all remaining tiles once nailed in the right hand nail hole, using 45mm aluminium ring shank nails. Where clipping is also required, purpose made tile clips ref no 409/019/430 should be used.

All ridge and hip tiles are to be mechanically fixed. (Note: mortar alone cannot be used to fix ridges and hips, mechanical fixings will also be required).

For **Lower pitch roofs** (15°- 22°) we recommend these fixing practices:

- Counter-battening at 15°- 22°.
- Use a good quality roofing felt and increase the overlap by 100mm.
- The gauge of the tiles should be increased with a headlap of 100mm.
- Lay broken bonded.
- All tiles are to be mechanically fixed with nails and/or purpose made tile clips.
- Always ensure good ventilation.
- All areas around the roof perimeter and abutments must be properly finished as well as any areas around any 'roof' windows.

