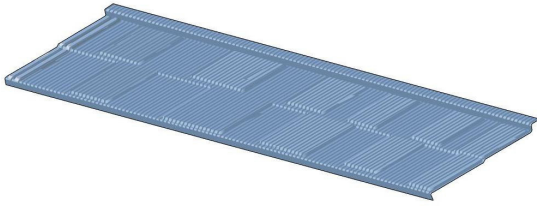


7.5 Specific Installation Instructions - Senator Shingle

Senator Shingle



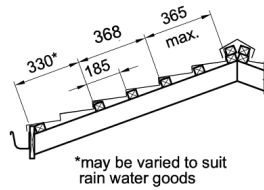
Dimensions and weights given are nominal

Overall Length	1320 mm
Length of Cover	1250 mm
Width of Cover	368 mm
Up stand	16 mm
Roof cover/Tile	0.46 m ²
Coverage	2.2 tile /m ²
Weight/unit	Textured 3 kg
	Satin 2.1 kg

Roof Pitch

Roof pitch 15° to 90°.

Batten Spacing



Refer
Tile Installation –
Nailing Position
for Senator
Shingle

Senator Textured (chipped)	368 mm
Senator Textured (Painted)	369 mm
Refer 4.4 Batten Installation Procedure	

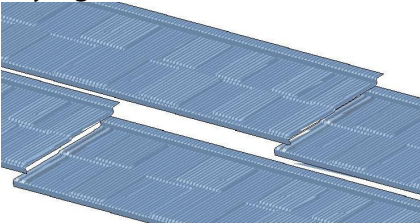
Tile Batten Sizes

40 x 50 mm on 900 mm spaced rafter
50 x 50 mm on 1200 mm spaced rafters

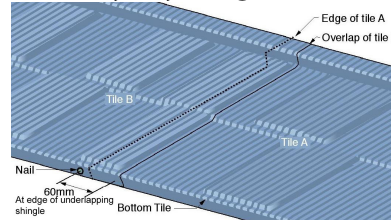
Tile Batten Fastening

Minimum 2 x 90 x 3.15 mm nails,
up to 3.8 kPa design load.

Laying Direction



One way Lay – Right to Left



Laying Pattern

Stagger lay Senator Shingle down the roof to create a random pattern. Laps of shingle above or below should be not closer than 200 mm.

Tile Fastening

4 x 50 mm tile nails, up to 3.8 kPa design load.

Nail Spacing ~320 mm

Refer

Low points on the profile have been included at ~320 mm spacing.

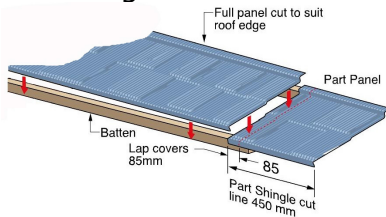
Tile Installation –
Nailing Position for Senator Shingle

5 x 50 mm tile nails up to 5.2 kPa design load.

7 x 50 mm tile nails past 5.2 kPa design load.

Only use Tile Nails approved by AHI Roofing.

Part Shingle



There is only one specific point where a part shingle can be created. This is 450 mm from the right hand end of the shingle. The right hand end of the part shingle is always overlapped by a full tile. Lap using the maximum coverage of the lap (80 mm).

Tile Installation – Nailing Position for Senator Shingle

Gerard Senator Shingle

[All Dimensions Nominal]

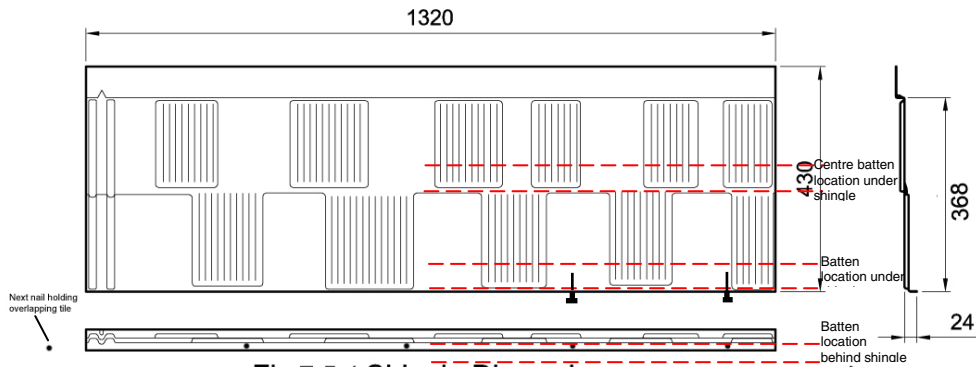


Fig 7.5.1 Shingle Dimensions

Nail to penetrate the front face of the batten midway down the tile nose.

NOT ACCEPTABLE

NAILING LOCATION

Figure 7.5.7

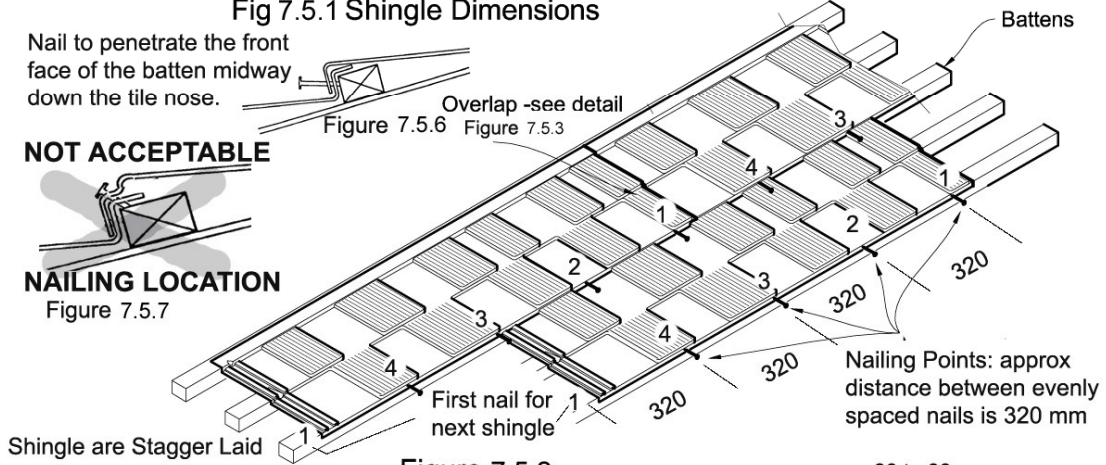


Figure 7.5.2

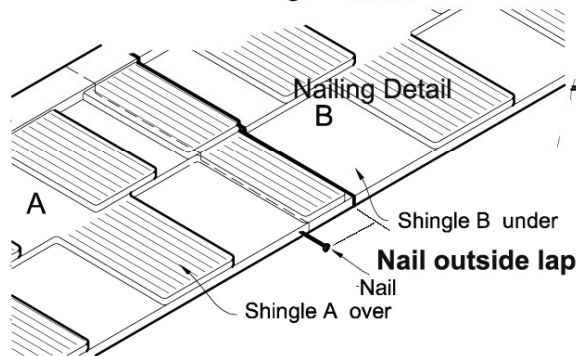
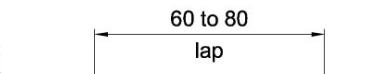


Figure 7.5.3 Overlap Detail

Note: Nail near overlap does not pass through both tiles. It is positioned alongside the edge of the tile underneath. **The nose of each tile is held down at 5 points. This comprises 4 nails as per the diagrams plus the nailed overlap tile.**



Nail outside lap

Shingles lap one way only. Overlap is adjustable from 60 to 80.

Figure 7.5.4 Lap Detail

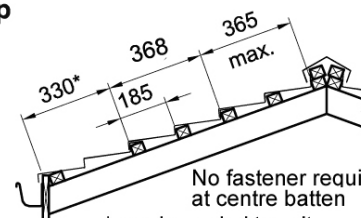


Figure 7.5.5 Batten Layout

Fastening Tiles in Cyclone Areas. Where a building has been designed outside the scope of NZS 3604 or tiles on buildings with a wind load design of above 3.6 kPa should be fastened at approx 160 mm spacing.

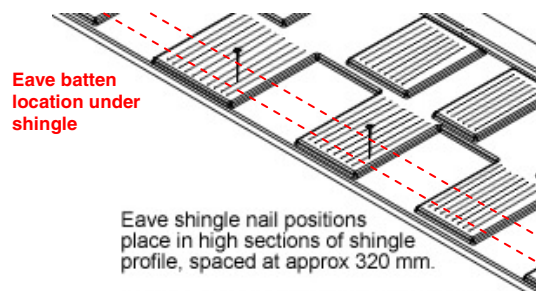


Figure 7.5.8 Eave Senator Shingle



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