

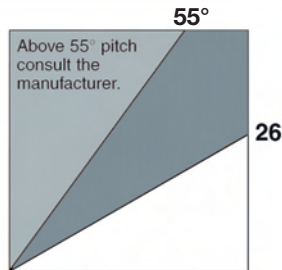
Roof pitches of

26° and more
100mm headlap

	Rafter length	
1	0,360	
2	0,680	
3	1,000	1m
4	1,320	
5	1,640	
6	1,960	2m
7	2,280	
8	2,600	
9	2,920	3m
10	3,240	
11	3,560	
12	3,880	
13	4,200	4m
14	4,520	
15	4,840	
16	5,160	5m
17	5,480	
18	5,800	
19	6,120	6m
20	6,440	
21	6,760	
22	7,080	7m
23	7,400	
24	7,720	
25	8,040	8m
26	8,360	
27	8,680	
28	9,000	9m
29	9,320	
30	9,640	
31	9,960	10m
32	10,280	
33	10,600	
34	10,920	11m
35	11,240	
36	11,560	
37	11,880	12m
38	12,200	

Minimum roof pitch	26°
Rafters/Trusses	As per structural requirements
Rafters centres (maximum)	760 mm with 38 x 38 mm batten 900 mm with 38 x 50 mm batten fixed flat 1 000 mm with 38 x 50 batten on edge Note: Above 760 mm the rafter spacing can be increased only with engineer-designed trusses and with 38 mm x 50 mm batten of the correct grade. All structural timber to comply with S.A. National Standards.
Underlay	Marley high-quality Undertile Membrane is recommended at all pitches. Modern practice has demonstrated that the underlay is a fundamental part of a tiled roof.

Tiling data at pitches of 26° and above	
Minimum tile headlap	100 mm
Maximum batten centres	320 mm
Batten per m ² (net length)	3,13 m
Tiles per m ² (net)	10,8
Mass of tiles per m ² ±	56 kg
Mass per 1 000 tiles ±	5,2 t
Distance from top edge of first batten to outside edge of fascia board	335 mm
Distance from top edge of top batten to rafter apex	25 mm



1. The minimum pitch and minimum headlap must not be reduced under any circumstance. It is always better to raise the safety factor of the roof by adding a full course of tiles and increasing the tile headlap evenly on the rafter length.
2. On exposed sites the tile headlap may be increased, but greater lap is not as effective as a steeper pitch.

Use broken-bond tiling practice only.

At gable ends, parapet walls and abutments, half-tiles are needed at every second course and must be cut on site to requirement.

Estimating See Eaves and Rafter tables

A comprehensive range of matching fittings and accessories is available

All tiling and fixing to comply with SANS 10062: 2003 Code of Practice and with Marley standard fixing specifications.

Cutting and drilling of tiles: See Health & Safety Instruction

↑ **Rafter Table**

The Rafter Table indicates the number of courses to be allowed on the rafter length to ensure that the minimum tile headlap of 100 mm is obtained.

← **Eaves Table**

The Eaves Table shows the average linear coverage for Modern tiles along the eaves length. Calculations are given at lock mid-shuffle position, subject to standard manufacturing tolerances.

All figures are net. Wastage must be added.

