

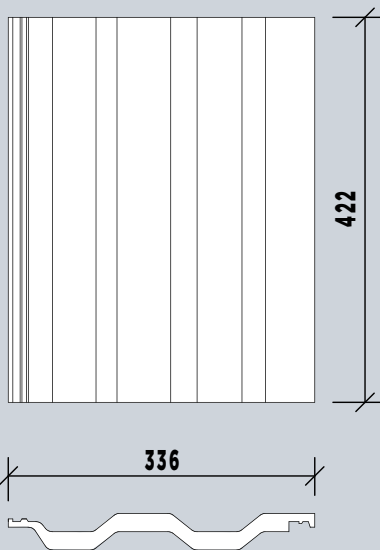
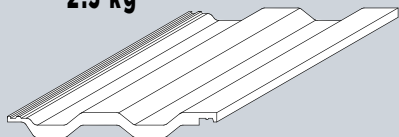
The ECO TILES Profile roof tile provides outstanding aesthetics, high performance and cost-effective solutions for your roof. This extra-strong tile provides maximum protection under the harshest of Africa's weather conditions.

A groundbreaking innovation in roof tiling that blends mixed, post-consumer plastic waste with sand to create a near indestructible, 100% recyclable, world-class roof tile. The result is a roof tile that is cost-efficient, eco-responsible and highly advantageous in comparison to traditional cement tiles.

TILE DATA

| | |
|--------------------------------|---------|
| Overall size of tile (mm) | 422x336 |
| Approximate mass per tile (kg) | 2.3kg |

2.3 kg



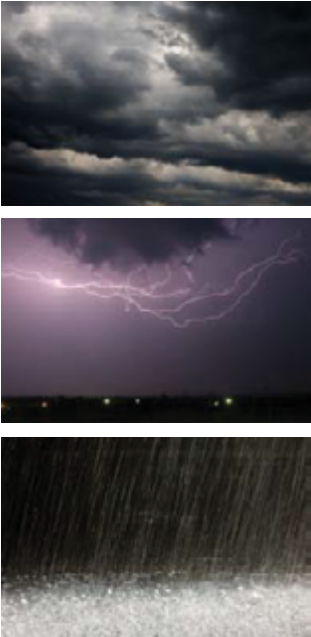
100% RESPONSIBLE. 100% REVOLUTIONARY.

TILE TECHNICAL DATA

Roof specifications to comply to national building regulations

| | | |
|---|--------------|---------------------------|
| Rafter Centres | Up to 950mm | 38x38mm Batten |
| | Up to 1200mm | 38x50mm Batten on edge |
| Minimum pitch requirements from: | 17° to 25° | 26° and over |
| Headlap (mm) | 100 | 100 |
| Batten Centres (mm) | 345 | 345 |
| Battens per m ² (m) | 2.9* | 2.9* |
| Number of tiles per m ² | 9* | 9* |
| Approximate mass of tile m ² (kg) | 20 | 20 |
| Underlay Membrane recommended for all pitches | Mandatory | Mandatory |

*No allowance made for wastage



STEPS TO TILING A ROOF

All specifications detailed are for a single storey domestic building - please consult your nearest Cyclocor office for other applications.

1. Tools required

- Tape measure
- Spirit Level
- Hammer
- Saw
- Nail bag
- Angle grinder

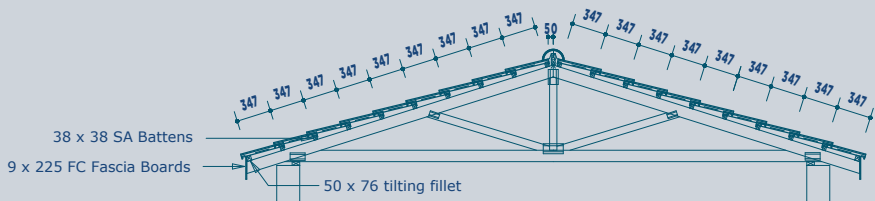
2. Erection of trusses

Erect trusses in strict accordance with the truss manufacturer's specifications for the specified Eco Tiles product. Ensure that the truss centres are consistent and in accordance with the truss layouts supplied.

3. Undertile membrane

Undertile membranes at all pitches are mandatory for all Eco Tiles Products.

4. Establish batten gauge (see procedure)



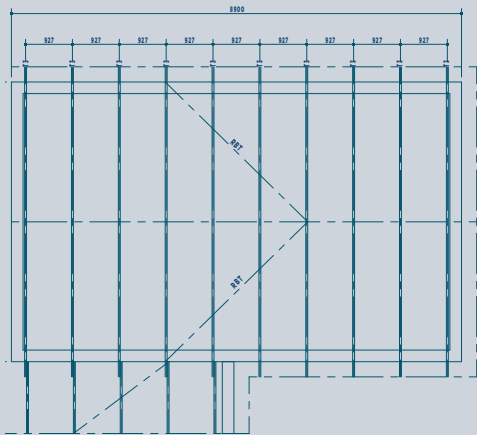
5. Mark out roof

Set the tiles out by running rows up one gable, along the apex and eaves.
Use a chalk line to mark out the rest of the roof to correspond with the tiles on the eaves and apex.

Note: Gable overhangs are not to exceed 300mm.

6. Loading of roof

The loading of the roof must be carried out symmetrically.
Tiles stacks should not exceed 13 tiles per stack and must be positioned on alternate battens from apex to eaves.

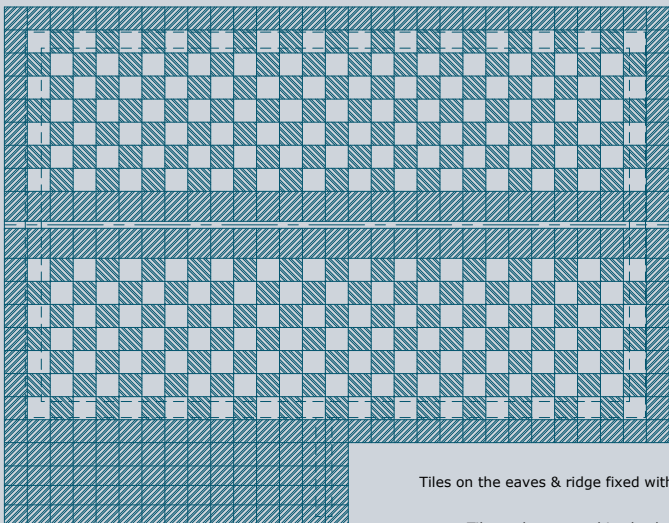
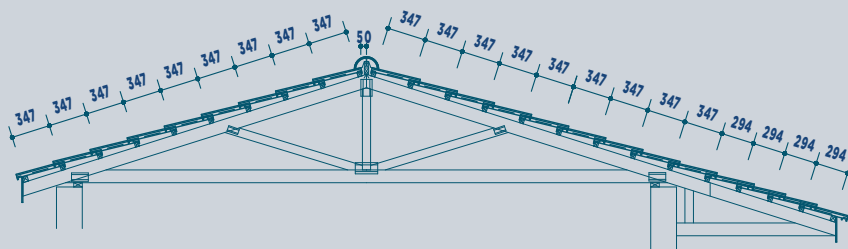


| | |
|-----------------------------|---------|
| ROOF AREA- 68m ² | |
| TILES | 612 |
| RIDGES | 32 |
| SCREWS | 1224 |
| BATTENS | 200m |
| TILTING FILLET | 21m |
| UNDERLAY | 2 Rolls |

BATTEN LAYOUT

7. Laying of tiles

Tiles are to be laid out from the gable end used to set out the chalk lines for the tile lines.



Tiles on the eaves & ridge fixed with 2No ring shank nails

Tiles to be screwed in checked pattern method

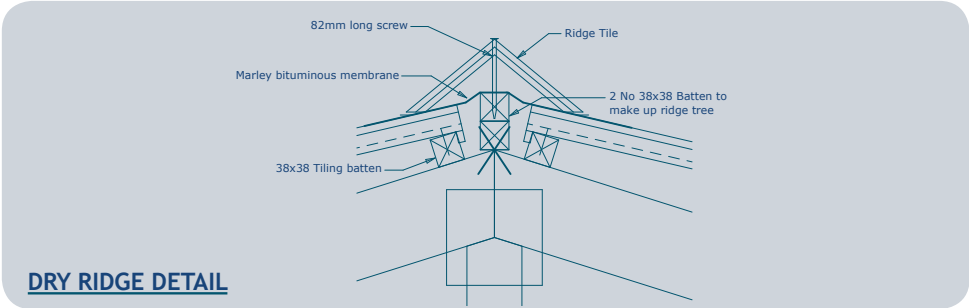


TILE FIXING DETAILS

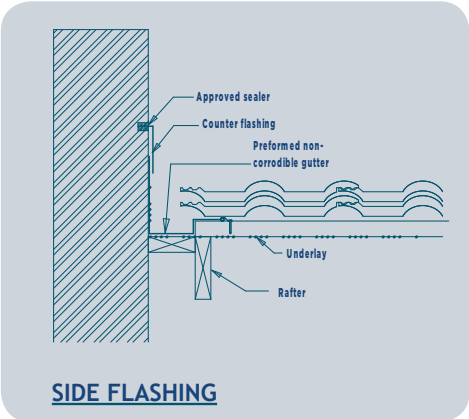
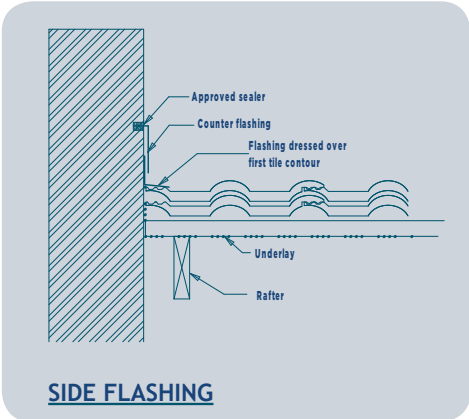
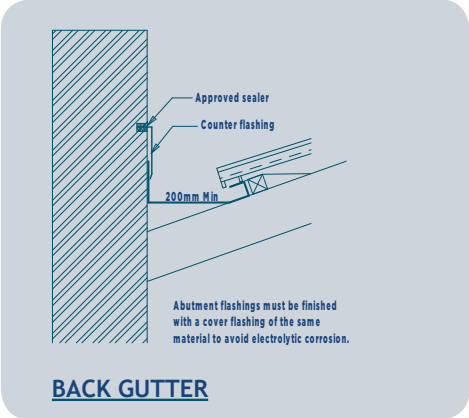
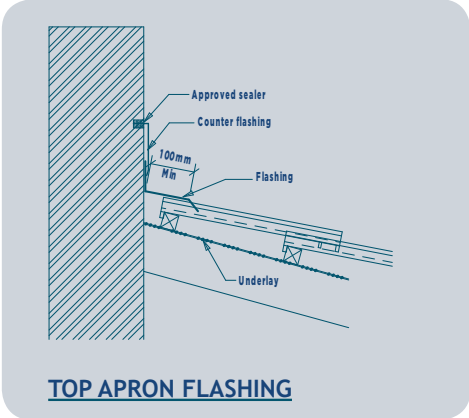
8. Mechanical fixing of tiles for exposure category

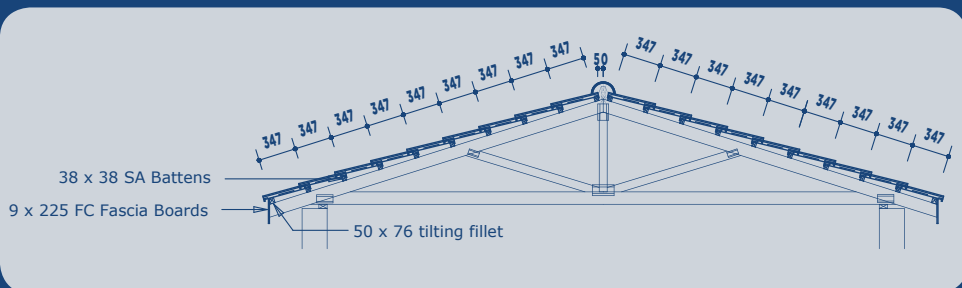
Tiles are to be fixed with non-corrodible ring shank nails in strict accordance with the details supplied in this catalogue for the various terrain categories.

9. Ridge Detail



10. Flashing Details





WORKING OUT BATTEN CENTRES

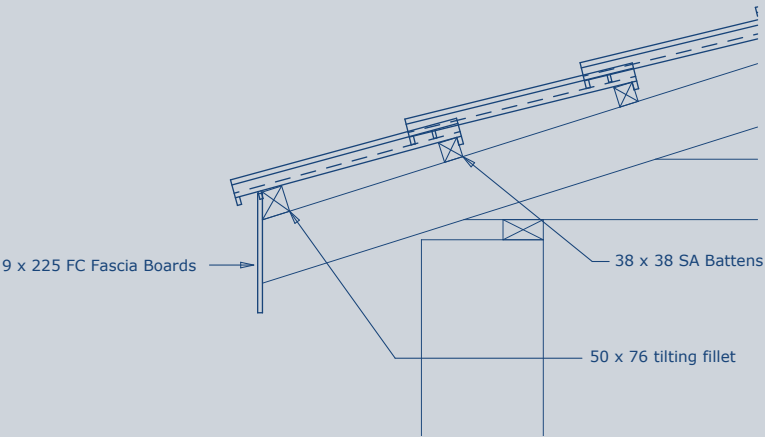
- a) Start by establishing the position of the lowest batten on the rafter (tilting batten) - allow for the overhang of the tile in front of the fascia.
- b) Then determine the position of the uppermost batten (ridge batten) at the ridge. Typically the uppermost row of tiles should be at least 75mm beneath the edge of the ridge tile.
- c) Measure the distance between the top of the tilting batten and the top of the ridge batten. Divide this distance by the gauge specified for the specific Eco Tiles tile. This will indicate the number of rows of tiles required to cover the roof.
- d) More often than not the number is not a whole number. In this instance, round the number up to the next whole number.
- e) Divide the measured distance between the tilting batten and the ridge batten by the whole number. This is the tile gauge.
- f) Construct a T-gauge for consistent spacings. Set the T-gauge up so that the gauge length is from the top of one batten to the top of the next. Do not set the gauge up between the inside faces of the battens, as this method does not compensate for variances in the batten section.

Example

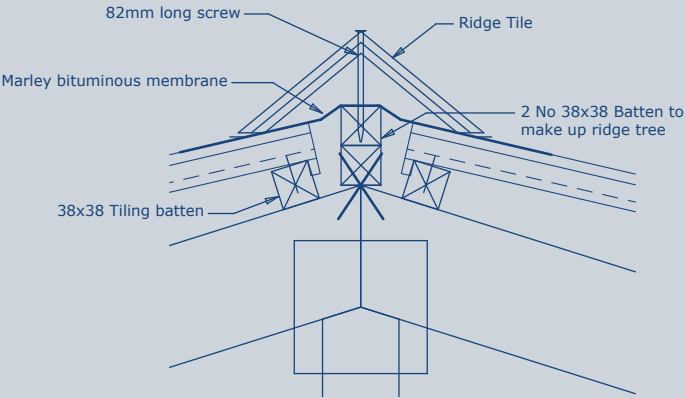
Measured distance between top of battens = 7250mm
 Gauge for Cyclo Rounded Profile = 345mm

$7250\text{mm} \div 345\text{mm} = 21.01\text{mm}$ round up to 22mm and divide into 7250mm
 $7250\text{mm} \div 22\text{mm} = 329.5\text{mm}$
 Batten gauge is therefore 329.5mm.

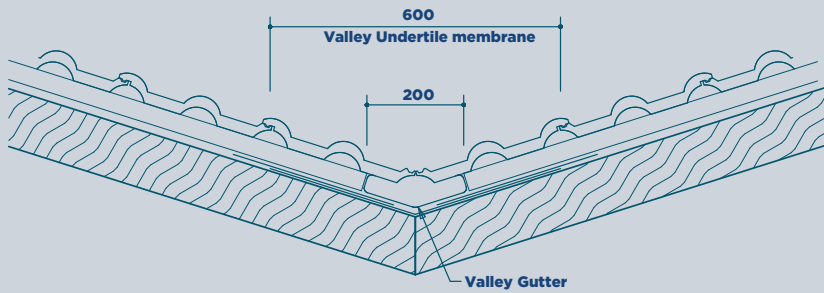
STANDARD DETAILS



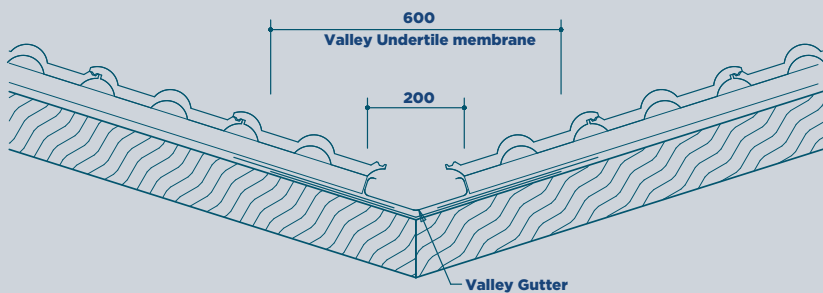
EAVES DETAIL



V-RIDGE DETAIL



CLOSED VALLEY



OPEN VALLEY

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