

**BESTIME**

(Battenless type)

***INSTALLATION GUIDE***  
***- VENETO 1***



## Contents

1. Veneto 1 Spec
2. Nailing Position
3. Nailing Technique
4. Auxiliary
5. Steel Roof Tile Spacing
6. The way how to install roof tile on concrete or wooden roof frame

## When installing VENETO 1

**Strength :** You don't need batten.

**Condition :** Can only be installed on solid sheathing

- The roof tiles can be installed over existing roofs.
- Minimum Slope is 4/12
- battern System can be installed with or without solid sheathing. No Batten System requires Solid Sheathing.
- Some type of underlayment is always required. The underlayment shall be equivalent or superior to a #30 saturated felt or better. In a re-roof application, the existing asphalt shingles can serve as the underlayment.

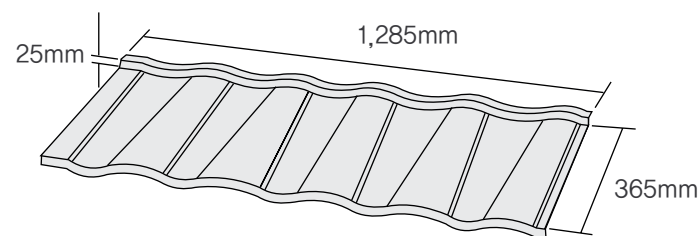
### Veneto 1 Color Type

Forest Green 30FG  
Tuscany 30TS  
Sienna 30SE  
Chocolat 30CC  
Dark Blue 30DB  
Maroon 30MR



# 1. Veneto 1 Specifications

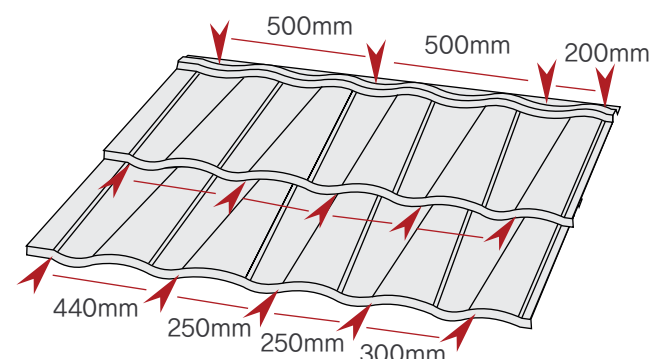
- Overall length : 1,285mm (±5mm)
- length of cover : 1,215mm
- With of cover : 365mm
- Upstand : 25mm
- Roof cover/Tile : 0.4435m²
- Tiles : 2.25/m²
- Weight/Tile : 2.5~2.6kg



# 2. Nailing Position

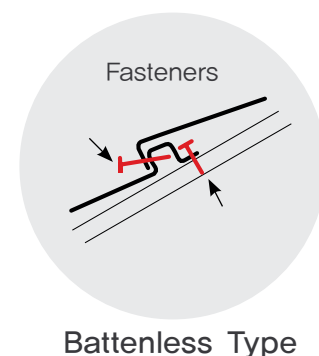
- Warning : Avoid nailing in places with electrical wiring above or below.
- Roof : For each square meter of roof tile, use 1kg of fastener.

When you drive a fastener, fastener up in the first point of upcurve as marked in red.  
(There's a risk of water damage when you drive a fastener on downcurve.)



# 3. Nailing Technique

- While pounding in fasteners, always face the eaves while standing on top of the tiles being installed.
- Use 6~8 fasteners for each roof tile.
- In high-wind or coastal regions, use 10 fasteners per tile.
- After nailing, in order to prevent water damage, always use A/S adhesive to finish installation.



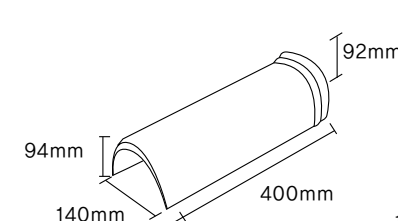
Battenless Type

# 4. Auxiliary Manufacture with other measurements.

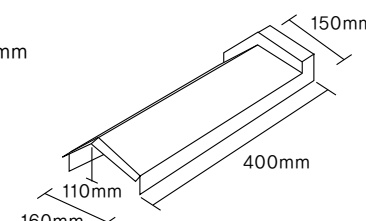
## • Ridge/hip

overall length 400mm  
length of cover 370mm

– Half round ridge/hip

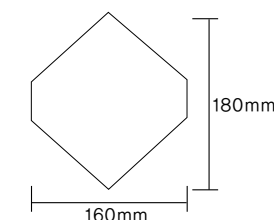


– V-Ridge/hip

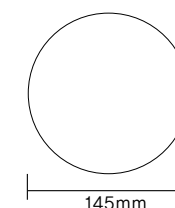


## • Ridge/hip cap

– V-Ridge/hip Cap

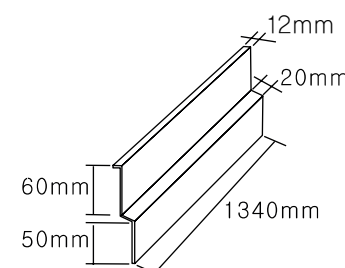


– Half round Ridge/hip Cap



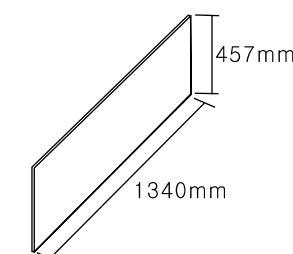
## • Side flashing

overall length 1,340mm  
length of cover 1,300mm



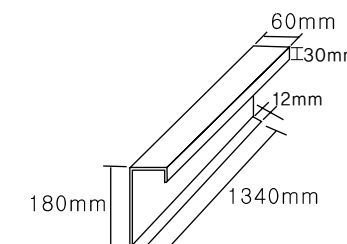
## • Flat sheet

overall length 1,340mm



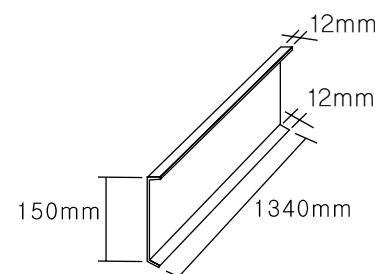
## • Barge board flashing

overall length 1,340mm  
length of cover 1,300mm



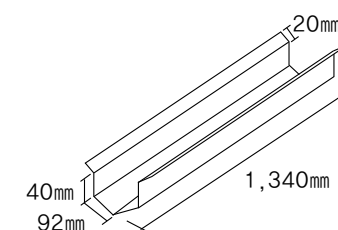
## • Fascia flashing

overall length 1,340mm  
length of cover 1,300mm



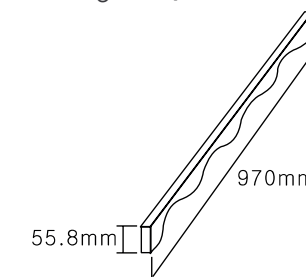
## • Valley

overall length 1340mm



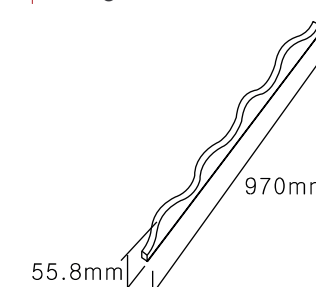
## • Shackle

overall length 970mm  
height 55.8mm



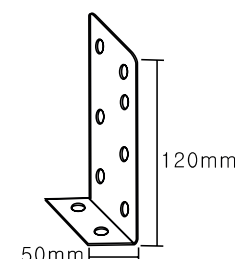
## • Closer

overall length 970mm  
height 34.8mm



## • Angle

overall length 120mm



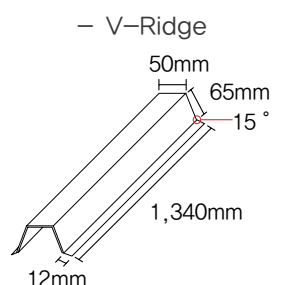
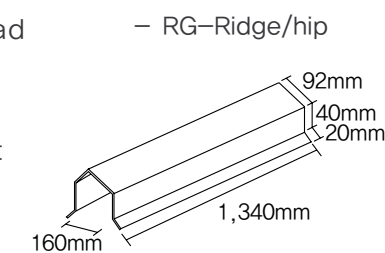
## • Fasteners

Fasteners for panels:

- No. 9 x 1 1/2" hex head screws or
- #8 corrosion resistant screws ; 2 1/2"

## • RG-Ridge/hip , V-Ridge

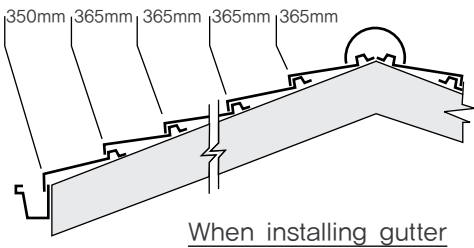
overall length 1,340mm  
length of cover 1,300mm



- The auxiliary pieces listed above can be custom-made to your measurements.
- Storage method : Always cover with a waterproof material.
- Packing : One pallet is 1,35m × 95m × 1,2m.
- pitch : The roof must be at least 15 degrees.
- in coastal or high-wind areas, use 9-layer galvanized or zinc-coated plates.

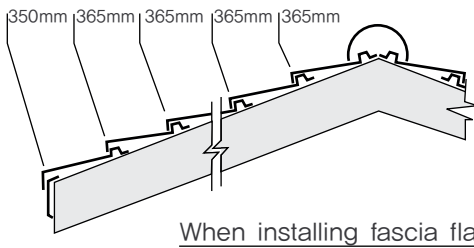
5. Roof Tile Spacing

● Space roof tile 365mm apart.



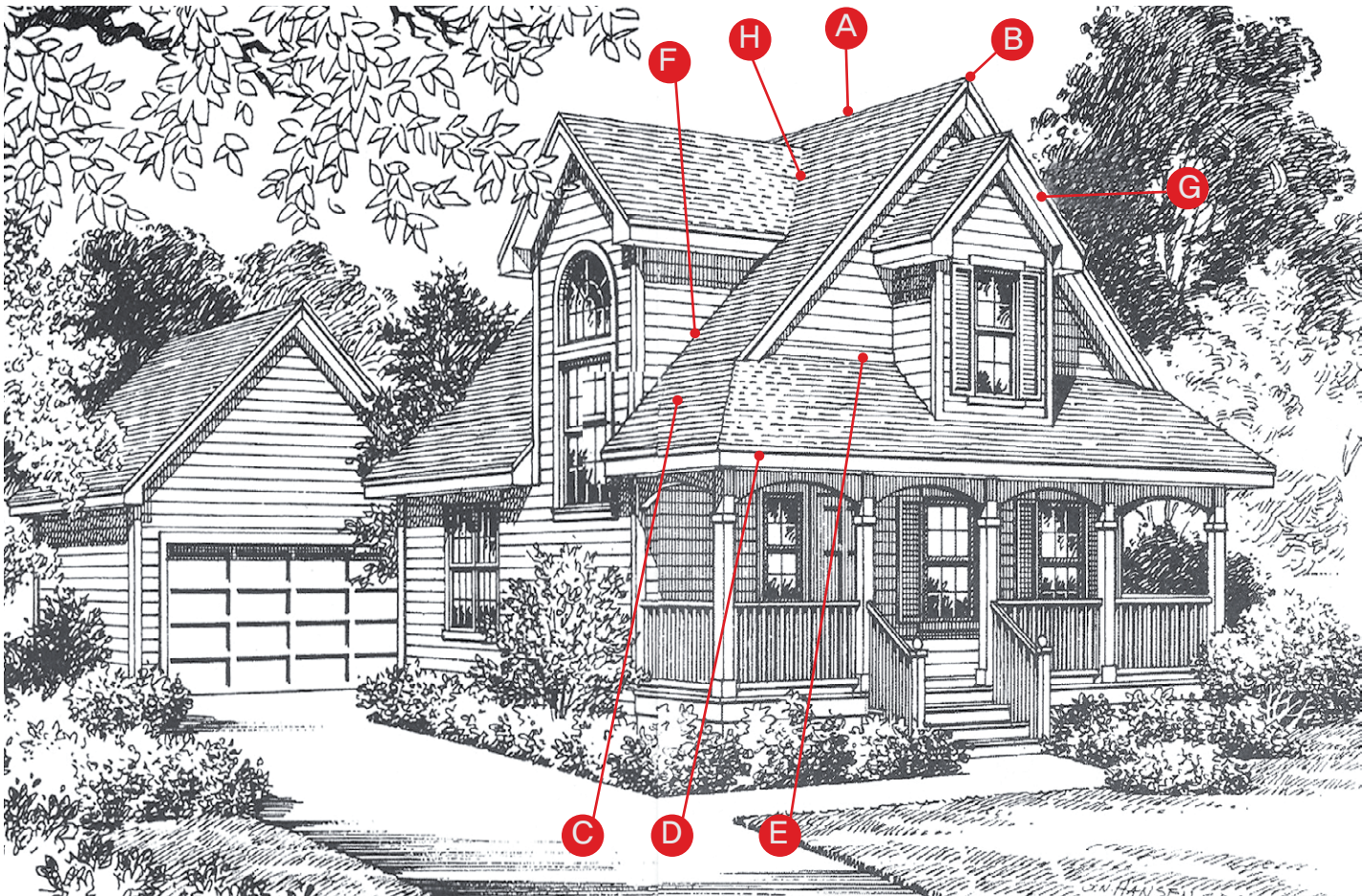
When installing gutter

● Space roof tile 365mm apart.

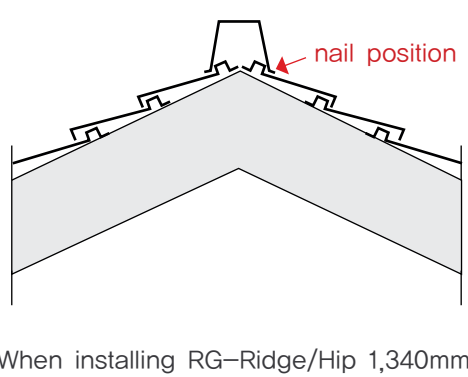
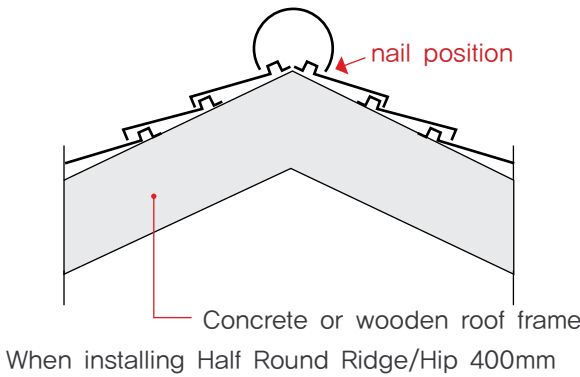


When installing fascia flashing

6. The way how to install roof tile on concrete or wooden roof frame

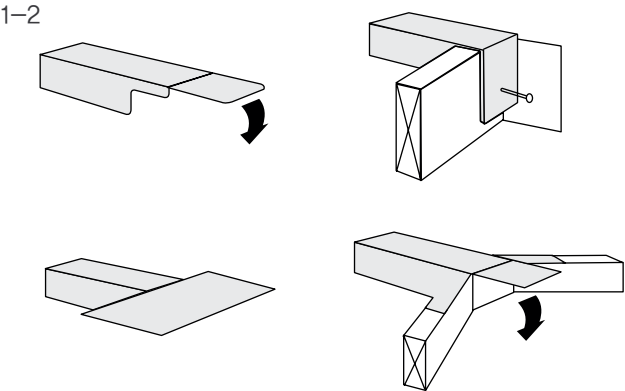
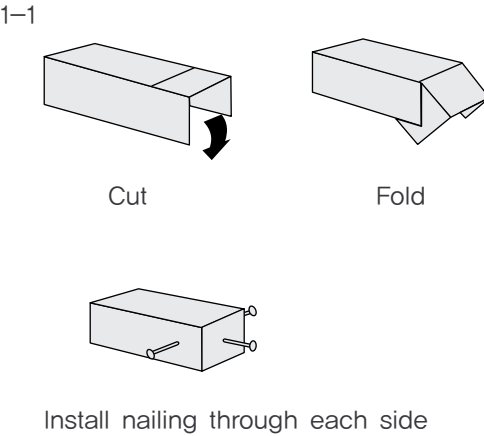


A. Ridge and Ridge Boards

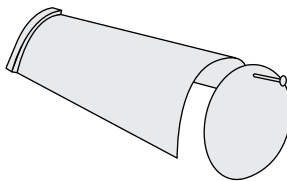


B. Ridge and – Finish

When installing RG-Ridge/Hip 1,340mm

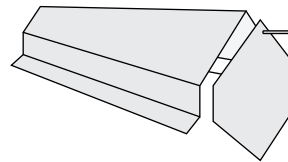


When installing Half Round Ridge/Hip 400mm



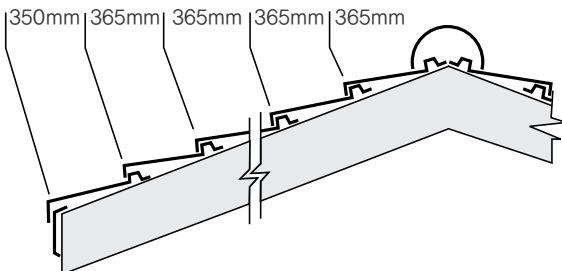
- Finish with the end part with Half Round Ridge/Hip Cap.

When installing V-Ridge 1,340mm



- Finish with the end part with V-Ridge/Hip Cap.

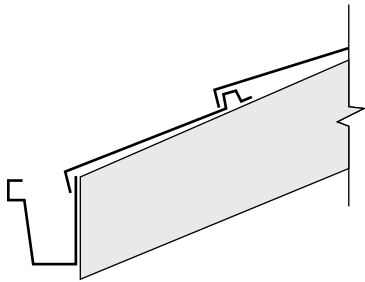
C. Install VENETO 1 as space



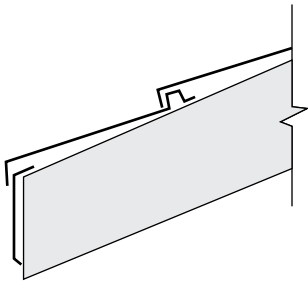
- Space each sheet of VENETO 1 365mm apart.



D. Fascia flashing



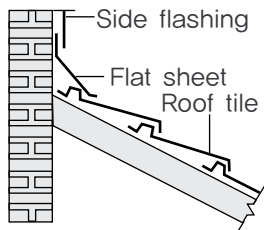
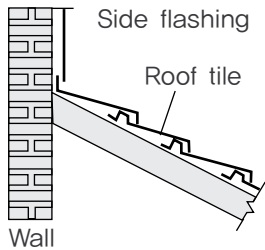
When installing gutter system



When installing fascia flashing

E. Dutch gables

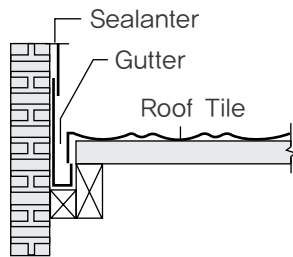
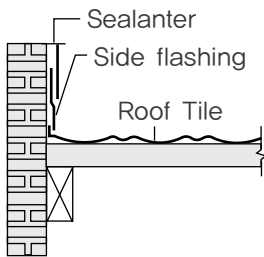
Insert the top edge of the roof tile or a piece of sheet metal inside the side flashing.



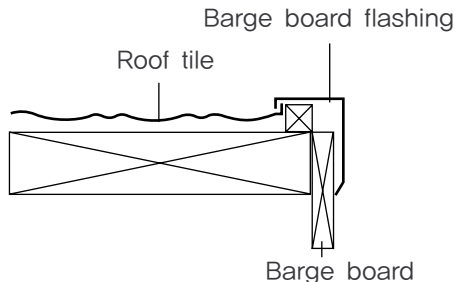
F. Junctions with vertical faces

In the case of a side of roof tile at the boundary with vertical wall, connect roof tile with vertical wall and finish vertical wall with Side Flashing.

If there's a valley in which water flows at the boundary with vertical wall, install gutter.



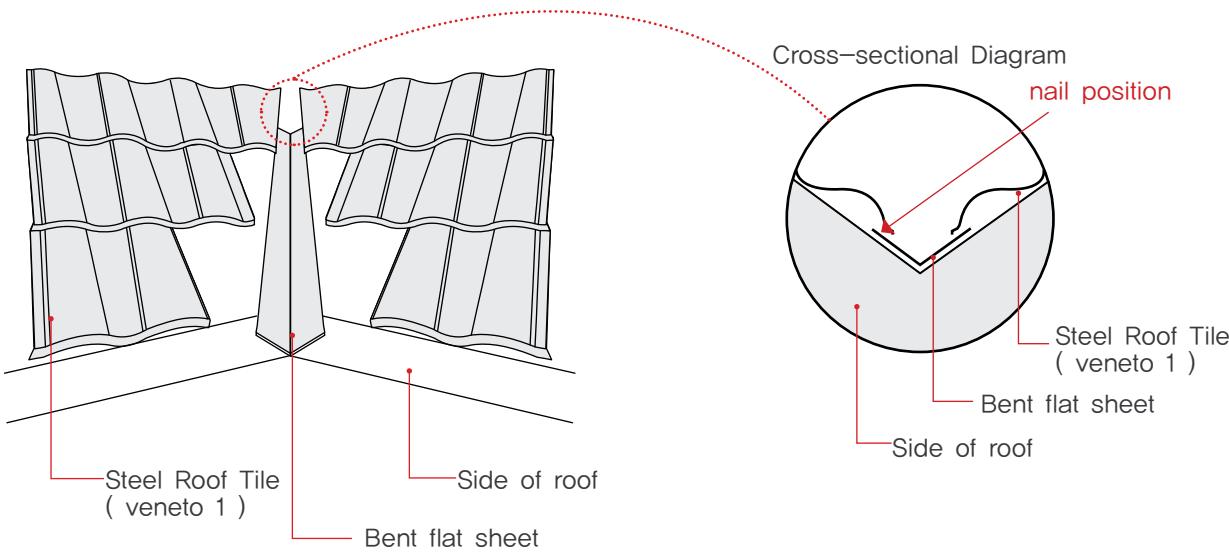
G. Barge boards



When using side flashing, install the batten above the rafter and match the top of the barge board to the top of the batten.  
the edge of the steel roof tiles must be bent so that the part tucked into the side flashing is long enough to prevent water damage.

H. Valleys

In the case of VENETO 1 roof, finish valley with not valley flashing but bent flat sheet.



Cutting tiles for the corners

