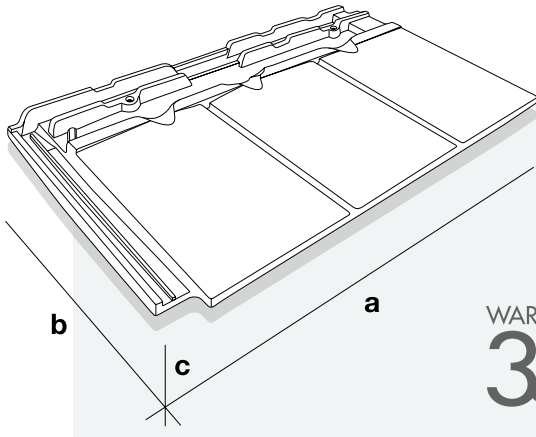




visum3



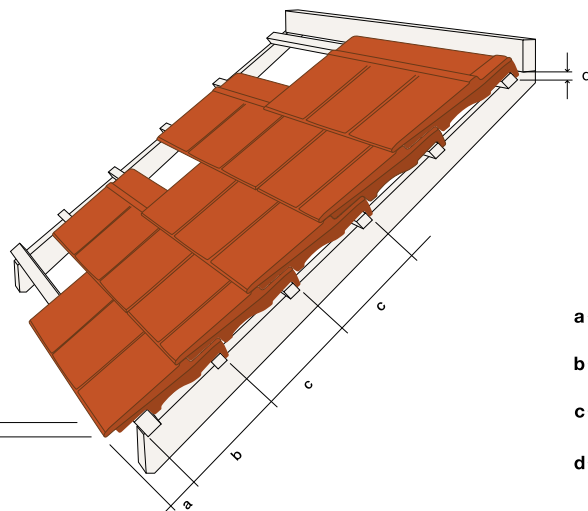
characteristics



WARRANTY
35
YEARS

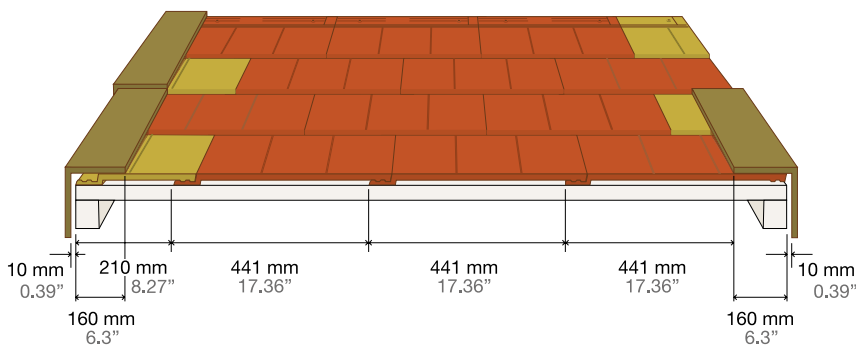
Dimensions	a: 480 mm; b: 280 mm; c: 35 mm <i>a: 18.9"; b: 11"; c: 1.38"</i>
Pieces /m ² / Pieces/square	11.5 / 106.7 (at a fit of 193 mm / 7.6")
Weight piece	4 kg / 9.48 lbs
Longitudinal fit*	193 mm (-1/+10 mm) / 7.6" (-0.04"/+0.4")
Transversal fit*	436 mm +/-1 mm / 17.16" +/-0.04")
Average weight / square	426.8 kg / 941 lbs
Laying method	Broken bond

*Theoretical data. It is recommended to calculate this measurement at building site. These measurements include a +/-2% normative tolerance



First course batten should be 20 mm (3/4") higher than all succeeding course battens to provide a vertical alignment and to assure a symmetrical installation.

- a** = 60 mm
2.36"
- b** = 206 mm
8.11"
- c** = 193 mm (-1/+10 mm)
7.6" (-0.04"/+0.4")
- d** = 0-20 mm
0-3/4"



Pyramid side course laying

- Visum3 roof tile
- Q91 Pyramid ridge-side course / rake
- Q95 Visum3 half roof tile

Note: If the tile needs to be cut, the top interlocking area of the tile must be sealed.

visum3



- 1** **visum3** is a patented interlocking tile with an innovative triple cambered design that gives the appearance of three traditional plain tiles side by side when laid.
- 2** Because its triple exclusive decoration system **visum3** offers a broader range in tones and hues, so that no two tiles will appear exactly the same.
- 3** **visum3** has a lower installation cost than other products, with the high quality terracotta standards of La Escandella.



Product rewarded with the "Alfa de Plata" award for its technological and aesthetic advances; granted by the Spanish Society of Ceramics and Glass.
Design protected by patent n° 000416219

colour range

old england



brown



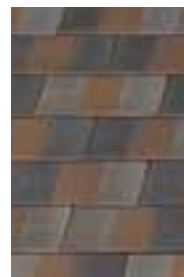
vermont grey



russet



idella grey



slate



Visum3 roof tile complies with the European standard for clay roof tiles EN-1304.

Daily tests are carried out in our laboratory and they are audited by external official laboratories.

Terracotta is a natural product, thus presenting slight natural variations in color shades. Printed Reproduction of the colours shown may not depict these variations.

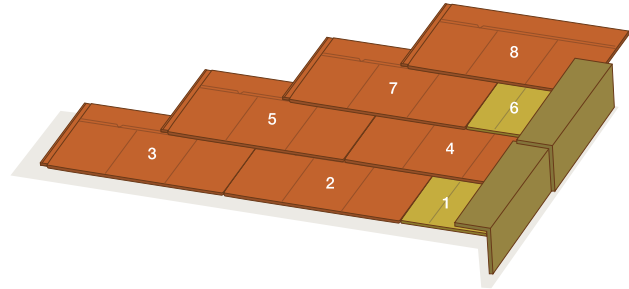
Visum3 roof tile is laid on a discontinuous frame or battens, which will be fixed by building a batten counter batten deck or by fixing them directly to the frame.

The laying of Visum3 roof tile is carried out by broken bond (also referred as cross bond) as follows:

1. The Starter course will begin with a Half Visum3 Tile (Q95).
2. Then continued with a full tiles Visum3 all the course.
3. The second course will start with a full tile and it will be laid to provide the proper vertical exposure.

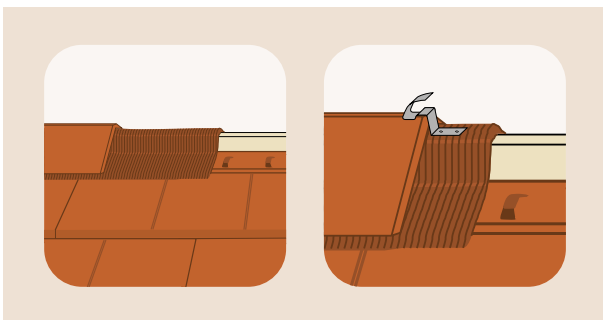
This exposure is continued through each successive course. Finally we will use the Pyramid Ridge Tile (Q91) to lay all the Side-courses.

See Figure for sequence of installation.



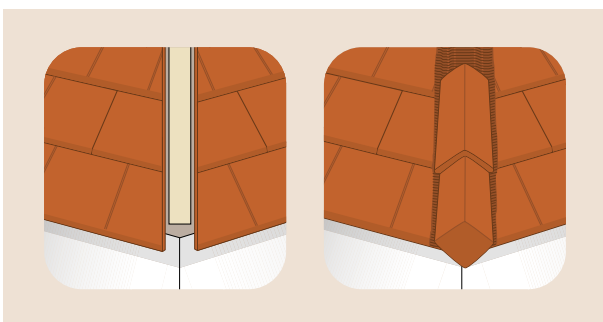
Roof tiles should always be installed in accordance with the local building codes and good tiling practice. (Spain: UNE 136020 Code of Practice)
La Escandella is not familiar with all local building codes or regional weather conditions and does not control the installation of the tiles. The architect, roofer or installer should ensure that the tiles are installed in accordance with the local building codes and good tiling practice.

installation details



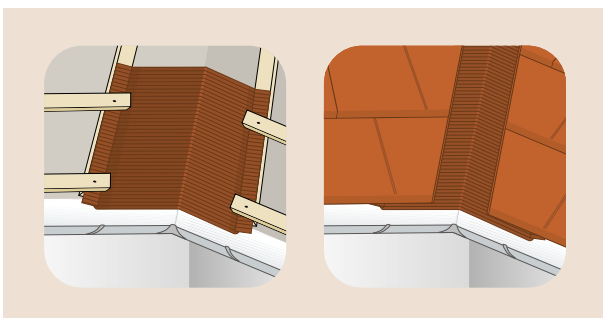
Ridge:

- Apply "La Escandella Alu-Roll for ridges and hips" (or similar) along the centre line of the ridge batten and fasten to the ridge nailer.
- Fix special ridge tiles with a minimum overlapping of 5 cm (1.97") on top of the tiles, placing them in opposite direction of the blowing winds.



Hip:

- Cut the general tiles closely to the hip timber and at the same relative angle.
- Fix "La Escandella Alu-Roll for ridges and hips" and special pieces for hip as above mentioned for ridges.



Valley:

- Install valley battens on each side of the valley crease. Apply "La Escandella" Alu-roll Valley (or similar) over the valley battens. Alu-roll must overlap the ridgeline and should be extended along the eaves to finish at least, as per minimum building codes requirements, above the outside wall.
- At valleys, straight cut field tiles to allow a minimum 15 cm (6") open channel. Secure cut field tiles to the horizontal battens.

slopes / pitches

The minimum pitch standard recommendations should always be followed (see values in the referral table). On all pitches below the standard recommended minimums, or in regions where ice dams may occur, a waterproof underlayment on the entire deck **MUST** be applied.

Most problems with water-shedding roof installations occur from water that migrates through the joints of the tiles through capillary action, wind-driven rain, and runoff or ice damming. Because of this possibility, the underlayment is critical to the success of the roof.

Since tile is installed across a wide range of climatic and geographic conditions, there are a variety of details that must be considered in preparing an effective installation. Local building officials should always be consulted to learn of special requirements that may exist.

Hip:	< 6,5m < 21.32	6,5m - 9,5m 21.32 - 31.16	9,5m - 12m 31.16 - 39.37
Protected*	50% / 26,5...	50% / 26,5...	55% / 29...
Normal*	50% / 26,5...	55% / 29...	65% / 33...
Exposed*	65% / 33...	75% / 37...	85% / 40,5...

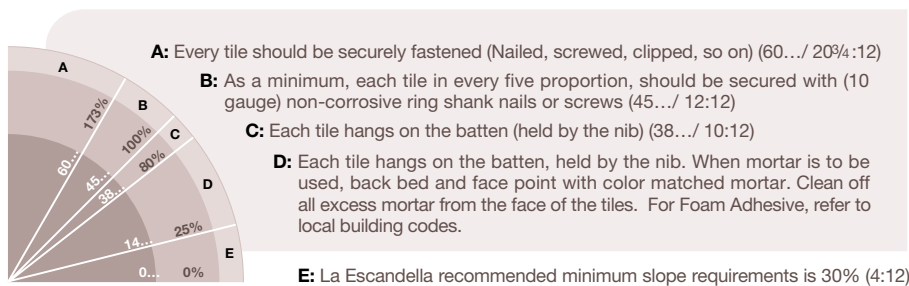
*Protected locations: hollow area which is surrounded by hills that protect the hollow from the winds in all directions.

*Normal locations: Flat area, plateau with minimal elevation changes.

*Exposed locations: Places open to strong winds, coastal areas (up to 5 km / 3 miles from the shoreline), islands or narrow peninsulas, estuaries or closed bays, narrow valleys, isolated mountains, mountain passes and earthquake zones.

Note: For hips greater than 12m (39.4) long, a waterproof underlayment on the entire roof deck **MUST** be applied.

fastening methods



The manner in which roof tiles are installed makes them a highly effective water shedding assembly that affords years of service and protection. The effectiveness of a tile roof system as a weather resistant assembly however depends on the proper installation of all the tile roof components, and installing them properly is critical to the performance of the installed system.

ventilation

Ventilation is one of key elements to assure a good hygrothermal behavior of the roof and preservation of the roof structure. The key to a good and well preserved roof is a good ventilated roof. Proper installation of Ventilation tiles combined with ventilated roof can result in energy savings, in a more energy efficient home.

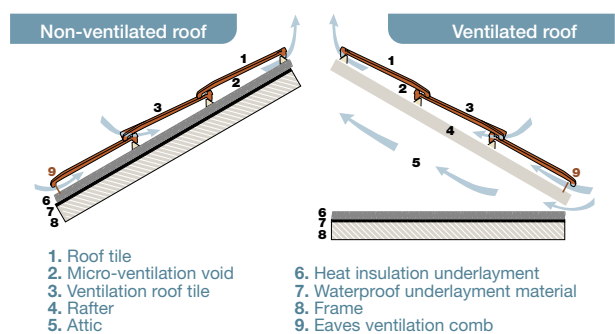
Air should be able to flow through the eave and ridge; be sure not to close these off with cement, mortar or similar. Eave and ridge areas should be protected to help minimize the access of birds and vermin infiltration.

A free flowing ventilation area must be provided through the roof deck. This ventilation should be evenly distributed throughout the roof space to eliminate any dead air space.

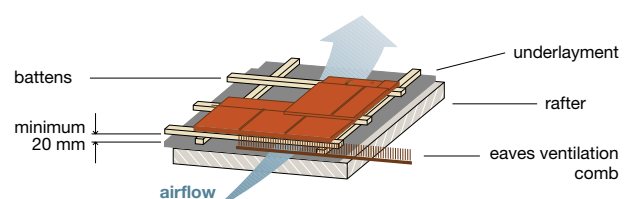
La Escandella recommends a minimum of 1 **Visum3 ventilation tile (Q97)** for every 7 m² (1.32 vent tiles per 100 sq ft.) and with a minimum of 2 ventilation tiles per roof surface, installed on the upper part of the roof.

Using a proper ventilation system is the best way to avoid moisture in a roof, that could cause peeling, cracking and other defects on the tile.

La Escandella warranty will be honored when installation is in strict accordance with local building codes, particularly to those referring to the ventilation of the deck and minimum slope requirements. Clay roof tiles should always be installed in full compliance with the local building codes and good tiling practice. For each country, please refer to local building codes.



Openings at the eaves and the ridge must allow for even distribution of ventilating air below the entire roof deck.

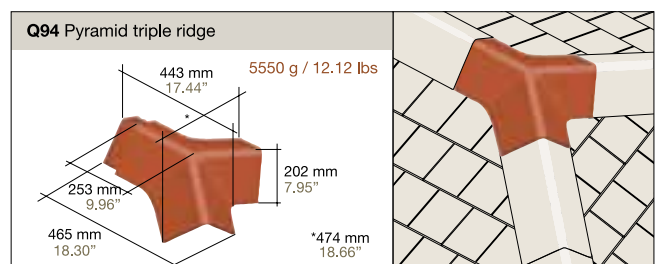
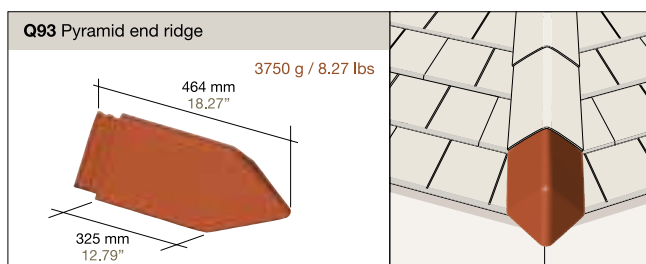
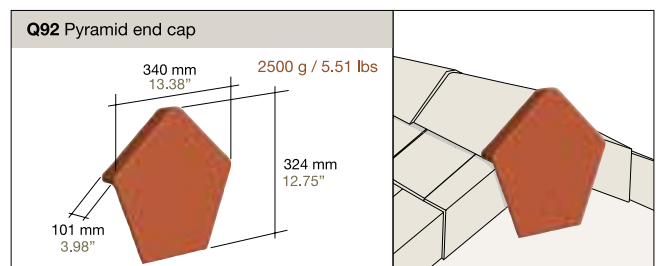
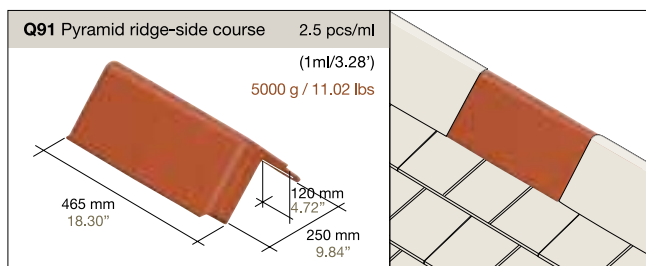
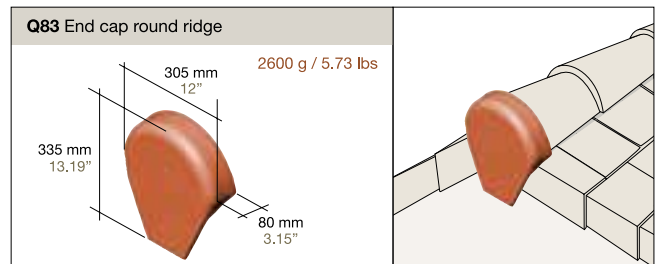
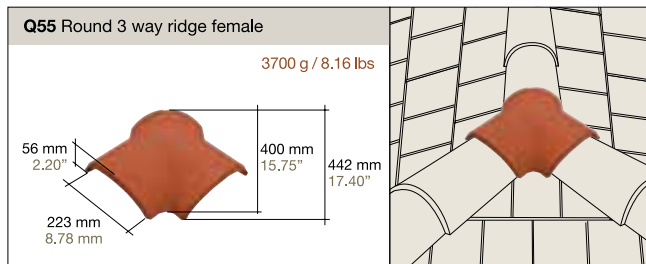
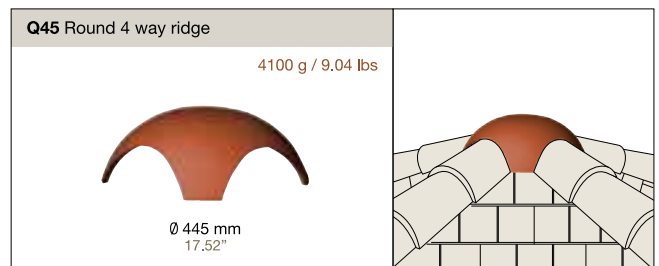
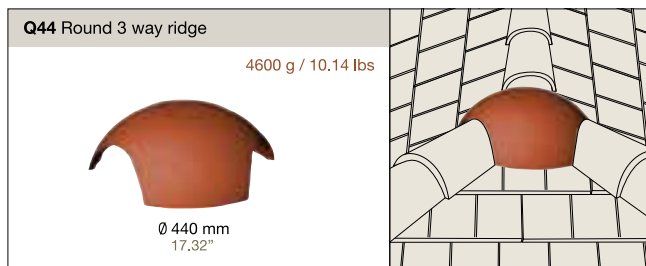
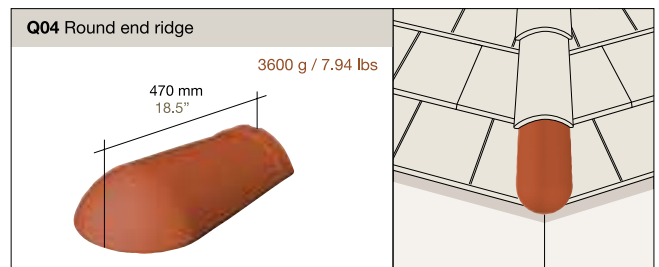
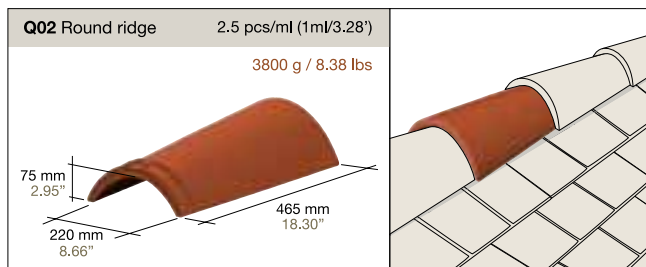


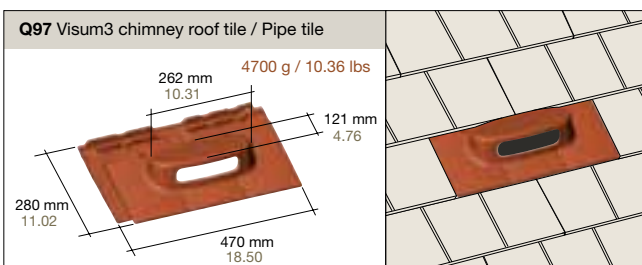
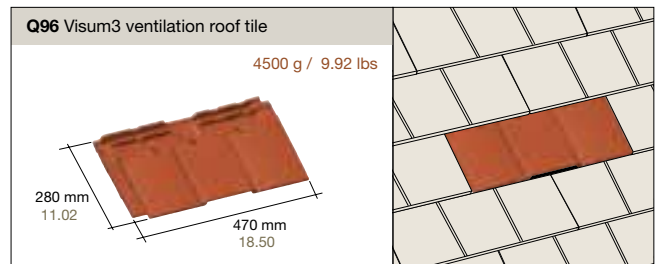
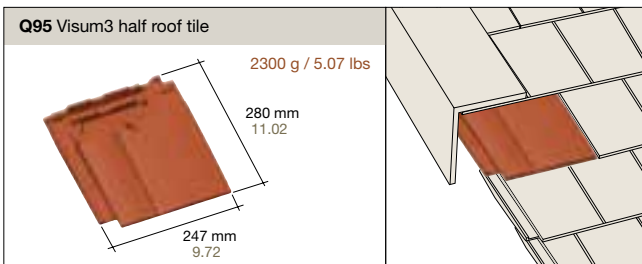
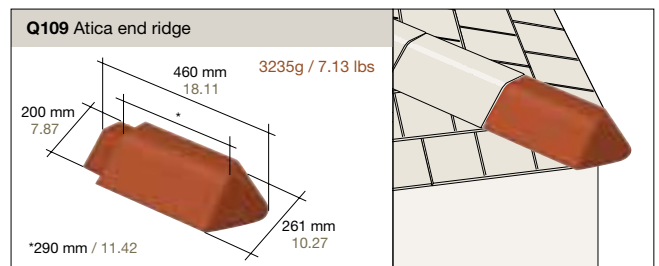
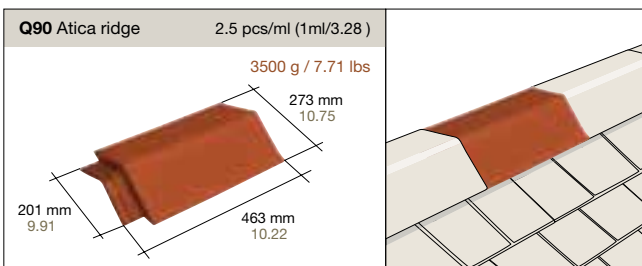
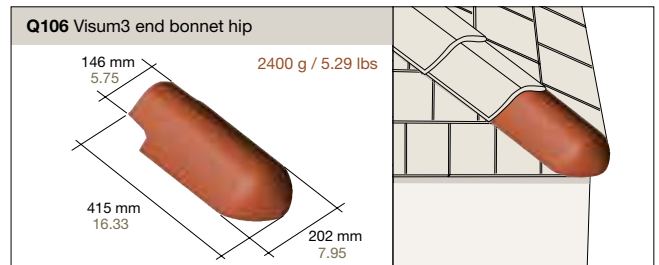
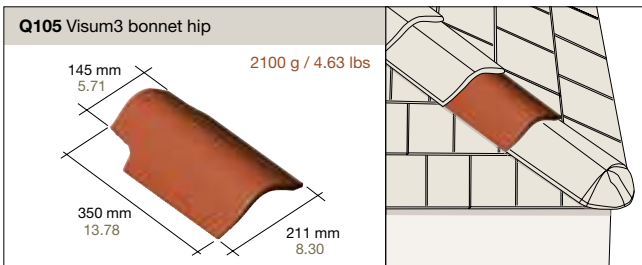
Note 1: Recommended underlayment installed over the sheathing are dependent on the roof pitch and local weather conditions.

Note 2: Underlayment materials must be covered with tile as soon as possible to prevent degradation from exposure.

accessories

La Escandella offers a complete line of Visum3 accessories, available in any color to customize your roof.







La Escandella

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