



visum3



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

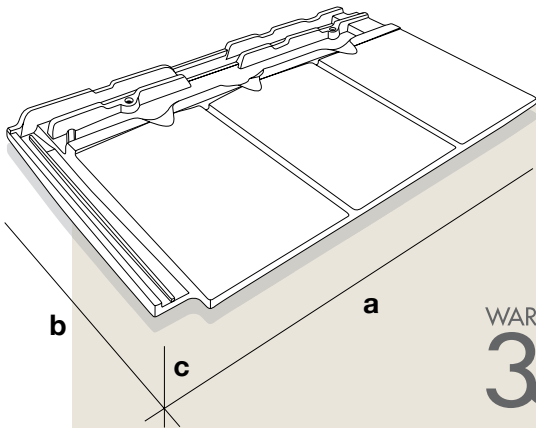


Visum3 roof tile complies with the European standard for clay roof tiles EN-1304.

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.

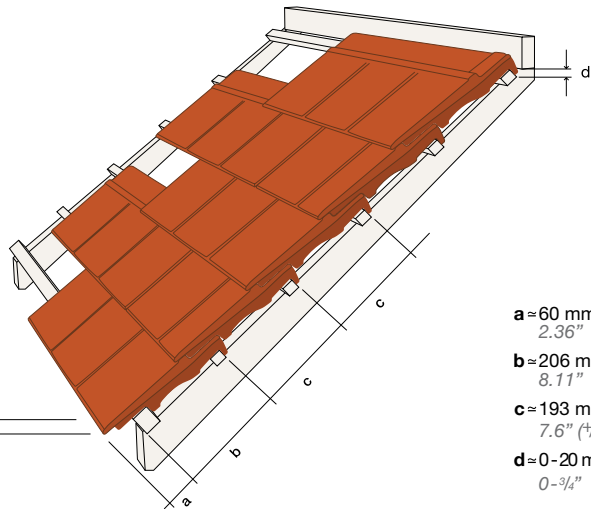
characteristics



WARRANTY
35
YEARS

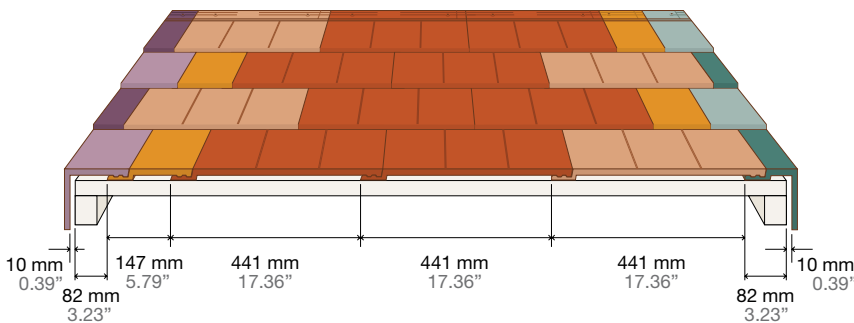
Dimensions	a: 470 mm; b: 280 mm; c: 35 mm <i>a: 18 1/2"; b: 11"; c: 1.38"</i>
Pieces /m ² / Pieces/square	11.5 / 106.7 (at a fit of 193 mm / 7.6")
Weight piece	4.3 kg / 9.48 lbs
Longitudinal fit*	193 mm +/- 3 mm / 7.6" +/- 0.12"
Transversal fit*	441 mm +/- 1 mm / 17.36"
Average weight / square	458 kg / 1,011 lbs
Laying method	Broken bond

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



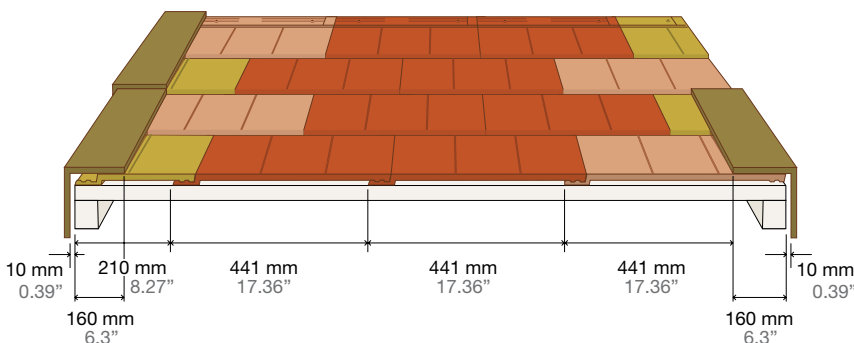
First course batten should be 20 mm (3/4") higher than all succeeding course battens to provide a vertical alignment and to assure a symmetrical installation.

- a** = 60 mm / 2.36"
- b** = 206 mm / 8.11"
- c** = 193 mm (+/-3mm) / 7.6" (+/- 0.12")
- d** = 0-20 mm / 0-3/4"



Visum3 side courses laying

- Visum3 roof tile
- Q99 Visum3 short right side course / rake
- Q100 Visum3 large right side course / rake
- Q101 Visum3 short left side course / rake
- Q102 Visum3 large left side course / rake
- Q103 Visum3 1/3
- Q104 Visum3 short side course (rake) accessory tile



Pyramid side course laying

- Visum3 roof tile
- Q91 Pyramid ridge-side course / rake
- Q95 Visum3 half roof tile
- Q104 Visum3 short side course (rake) accessory tile

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

accessories

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

Q02 Round ridge	2.5 pcs/ml (1ml/3.28')	
	3800 g / 8.38 lbs	

Q04 Round end ridge		
	3600 g / 7.94 lbs	

Q44 Round 3 way ridge		
	4600 g / 10.14 lbs	

Q45 Round 4 way ridge		
	4100 g / 9.04 lbs	

Q55 Round 3 way ridge female		
	3700 g / 8.16 lbs	

Q83 End cap round ridge		
	2600 g / 5.73 lbs	

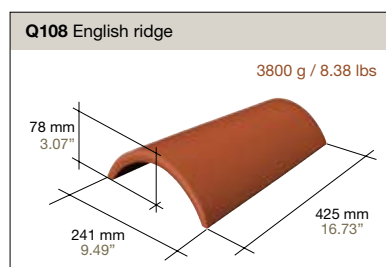
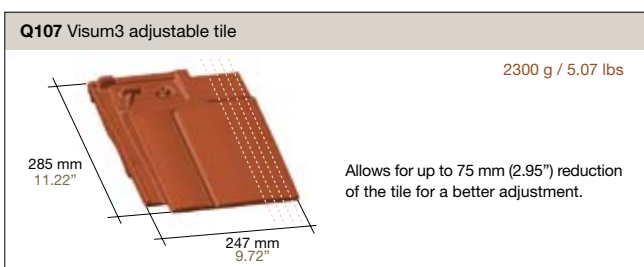
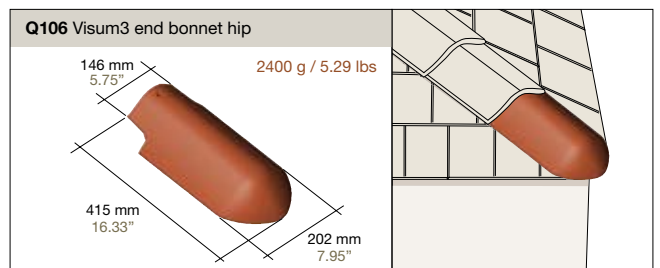
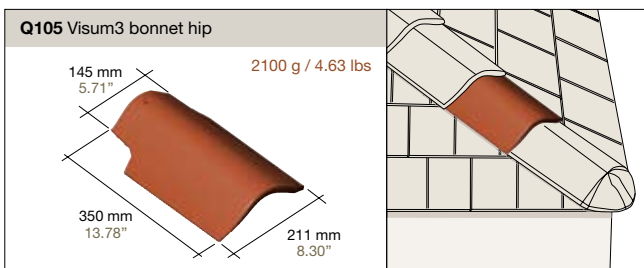
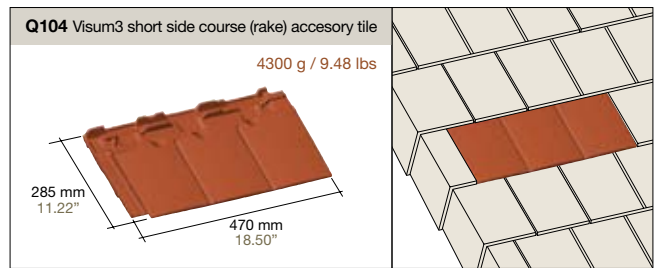
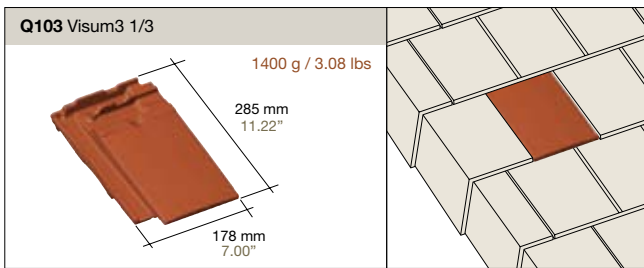
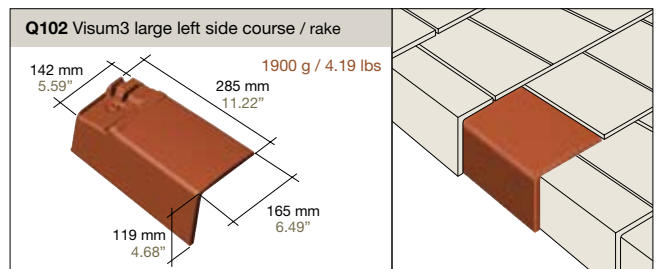
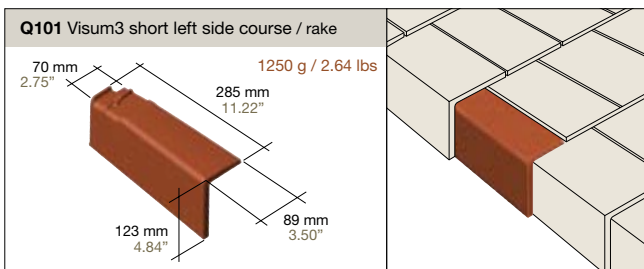
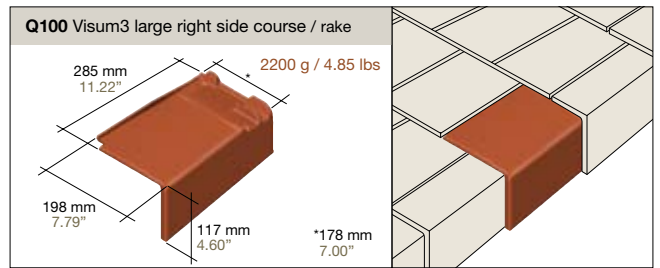
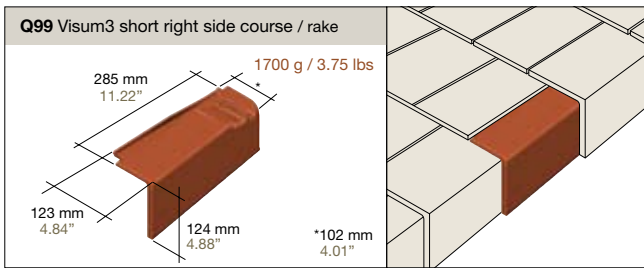
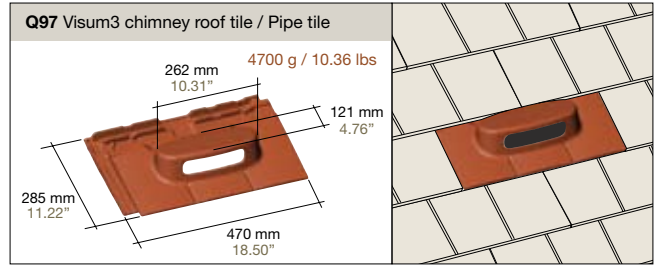
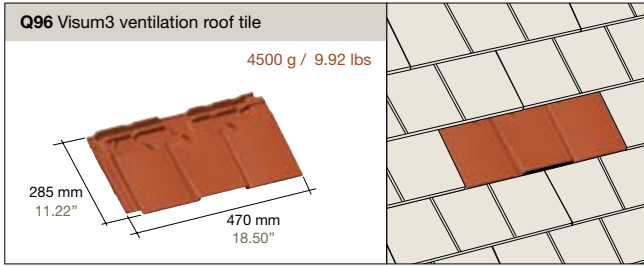
Q91 Pyramid ridge-side course	2.5 pcs/ml (1ml/3.28')	
	5000 g / 11.02 lbs	

Q92 Pyramid end cap		
	2500 g / 5.51 lbs	

Q93 Pyramid end ridge		
	3750 g / 8.27 lbs	

Q94 Pyramid triple ridge		
	5550 g / 12.12 lbs	

Q95 Visum3 half roof tile		
	2300 g / 5.07 lbs	



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.

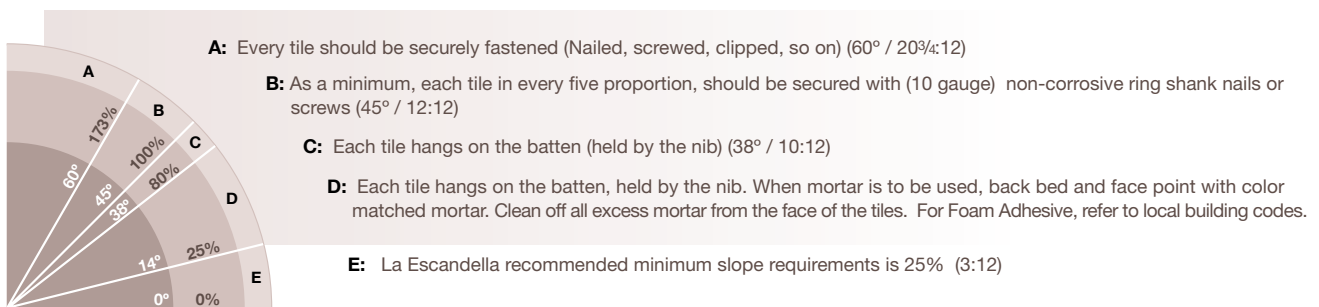
Most problems with water-shedding roof installations occur from water that migrates through the joints of the tiles through capillary action, wind-driven rain, and runoff or ice damming. Because of this possibility, the underlayment is critical to the success of the roof.

The manner in which tile roofs 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.

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*	45% / 24,5°	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.



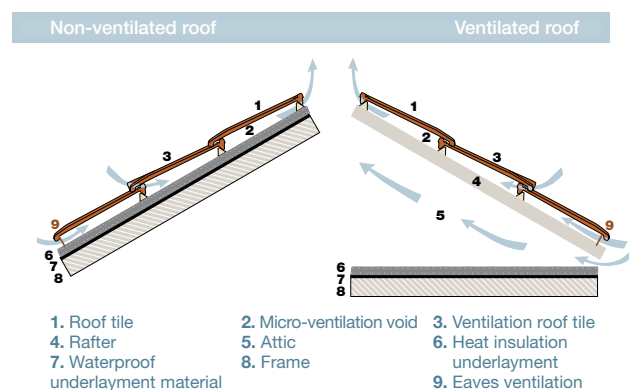
ventilation

The key to a good and well preserved roof is a good ventilated roof. Vertical batten boards, of sufficient height, are recommended above the deck to create an upper airway and allow free drainage of any moisture that get under the tiles.

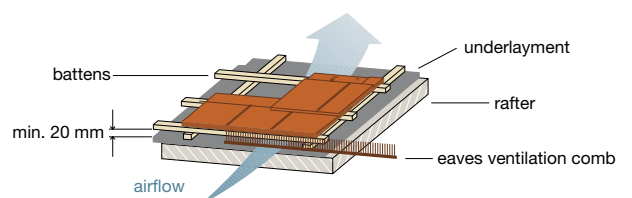
The need for proper attic ventilation is required by most building code authorities. These codes recognize that the proper ventilation is a necessary component of any successful steep slope roof system. A free flowing ventilation area must be provided through the roof deck. This ventilation should be evenly distributed throughout the roof space so eliminating any dead air space. Stopping air exfiltration is the key to avoiding condensation problems. Check with local building official for local/state requirements.

La Escandella strongly recommend a good ventilated roof. La Escandella recommends a minimum of 1 Visum3 VENTILATION TILE for every 7 m² (1.16 ventilation tiles per square) and with a minimum of 2 ventilation tiles per roof surface, installed on the upper part of the roof. Air should be able to flow through the ridge and eaves; be sure not to close these off with mortar.

Consideration should also be given to the installation of a thermostatically controlled air exchanger system in the attic, especially in areas that experience long periods of hot humid weather.



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 dependant 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.

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:

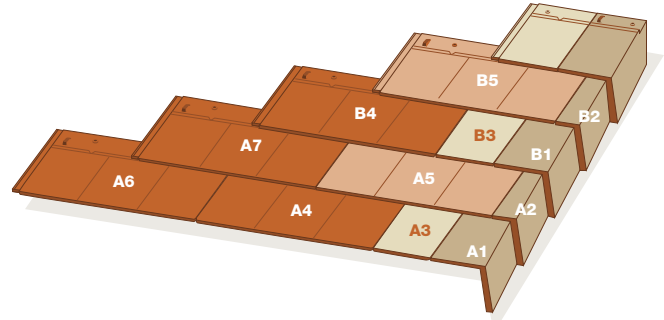
1. The starter course will begin with a Visum3 Large Right Rake trim –Q100 (A1) followed by the Visum3 Short Right side Rake trim-Q99 (A2).

2. Then continued with a 1/3 Visum3 tile –Q103 (A3) and followed by a full tile (A4).

3. The second course will be continued with Visum3 Special accessory tile- Q104 (A5) and will be laid to provide the proper vertical exposure.

This exposure is continued through each successive course. All joints of the second course and succeeding courses should be at the center line of the previous course.

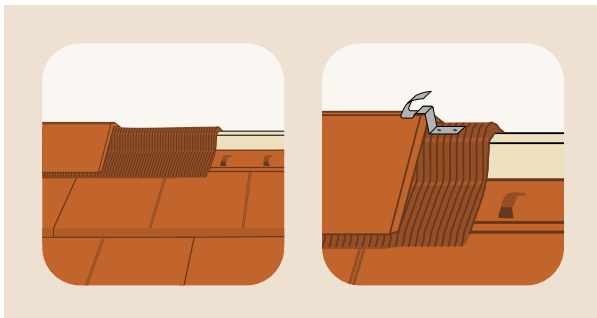
See Figure for sequence of installation.



Roof tiles should always be installed in accordance with the local building codes and good tiling practice. (Spain: UNE 136020 Code of Practice)

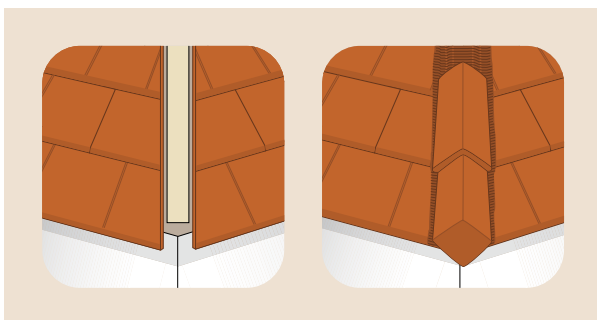
La Escandella is not familiar with all local building codes or regional weather conditions and does not control the installation of the tiles. The architect, roofer or installer should ensure that the tiles are installed in accordance with the local building codes and good tiling practice.

installation details



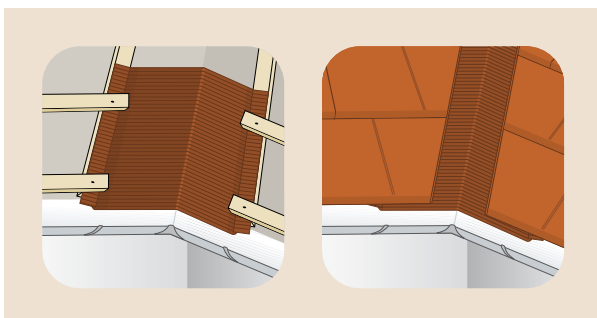
Ridge:

- 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.



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