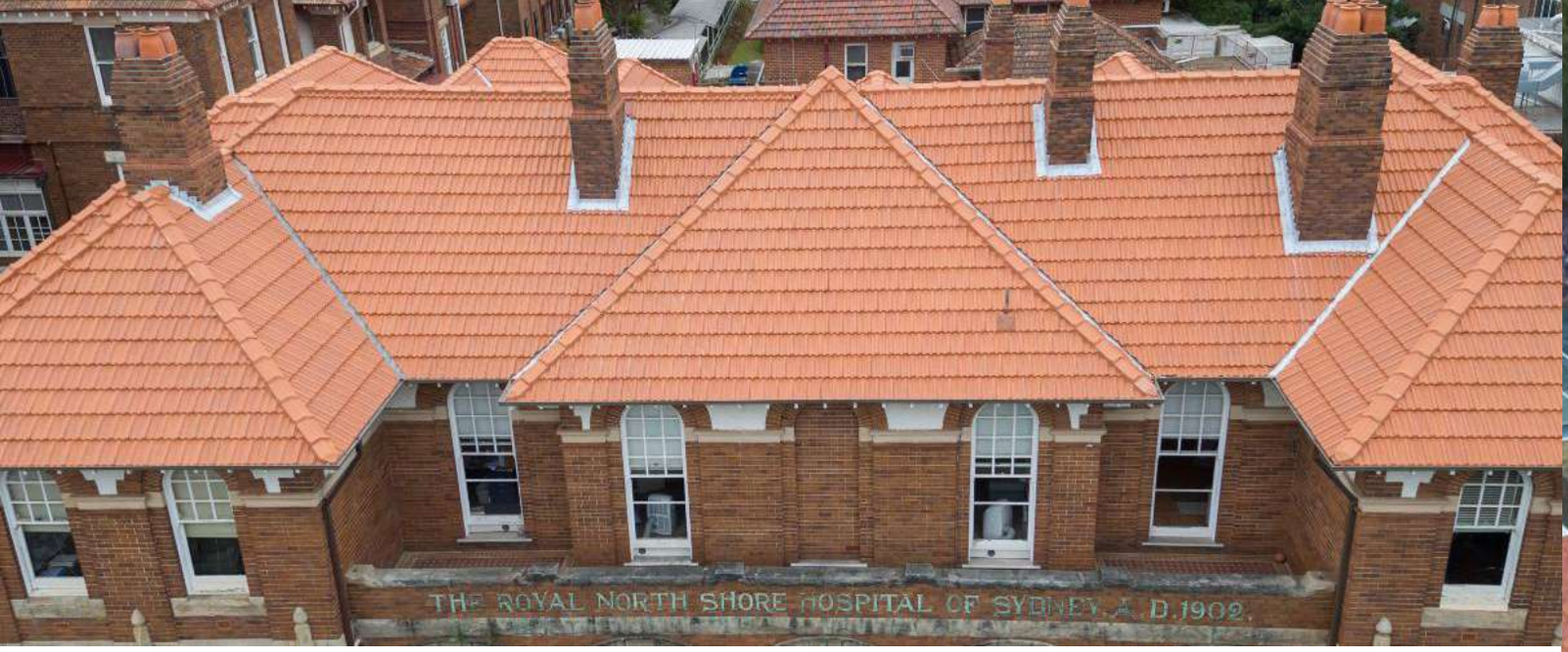
TRADITIONAL
La Escandella

FLAT



La Escandella
ROOFING THE WORLD





FLAT

Versatility & Simplicity for today's buildings

A versatile and easy-to-fit roof tile. As there are bigger pieces, the installation and material costs are consequently reduced, enhnacing the elegance and durability of this kind of roof tile

*This low profile is also known as Alicantina or French/Marseille Tile





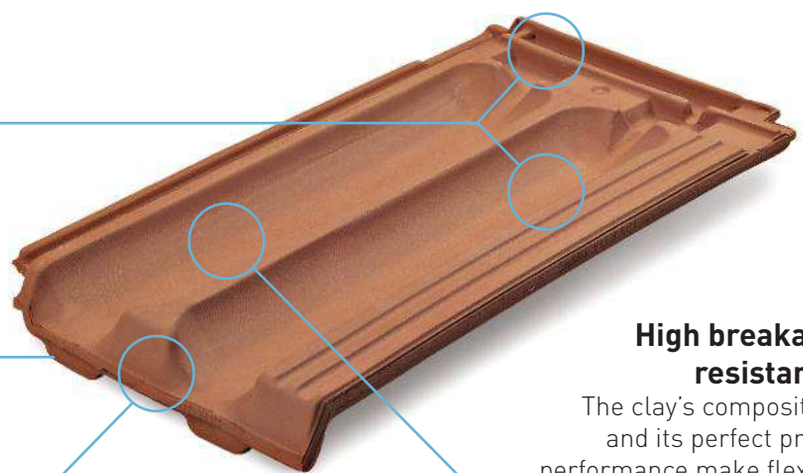
FLAT

GUARANTEE 35 YEARS La Escandella

Double interlocking
The double side and upper interlocking, allows the roof to be extremely watertight, ensuring its impermeability

Cost reduction
Its large format (11units/m²) and strapping every 5 units, as well as its packaging on pallets of 180 and 240 units, reduce installation costs

Easy and quick fixation
It´s traditional shape together it´s installation by crossbond, allows a great adaptation to restoration



High breakage resistance
The clay's composition and its perfect press performance make flexion rates even higher than Standard

TECHNICAL CHARACTERISTICS

Flexural Strength test (EN 538)	Resistance > 1200N
Water Impermeability (EN 539-1)	Complies with level 1
Frost Resistance (EN 539-2)	Complies 150 cycles
Geometric Characteristics (EN 1024)	Flatness / Straightness ≤ 1,5%

Dimensions*	A: 466 mm; B: 260 mm; C: 55 mm A: 18.35"; B: 10.24"; C: 2.16"
Pieces /m² - P./sq.	11 - 101
Weight piece	3.6 kg / 7.93 lbs
Longitudinal fit **	403 mm (± 5mm) / 15.86" (± 0.19")
Transversal fit **	225 mm (± 1mm) / 8.85" (±0.04")
Units per pallet	180
Weight per pallet	648 kg (1,428.6 lbs)
Laying	Straight / Broken bond

*The tile dimensions indicated in this chart allow a tolerance of approximately +/-2%
**Theoretic value: this should be re-calculated on site with the tiles that are to be used.

EN 1304 According to European standard
EN 539-2 Test of frost resistance
EN 539-1 Impermeability
EN 538 Flexural strength test
EN 1024 Geometric characteristics





RED



JASPEE RED

TIP

- Colour variations within one batch, affecting the whole of that batch and produced specifically for aesthetic reasons, are permissible.

- During the manufacturing process, handling or transport, small friction can occur on the gloved decorated roof tiles, due to the contact of support of some tiles on others. Such friction doesn't affect the structure of the tile or its quality. It's only perceptible on the hand and, therefore, comply with the guarantee of Cerámica La Escandella.

- For tiles of one single colour, variations in color due to the ceramic process itself are accepted.

- We advise not to mix tiles from different batches on the same roof section.

- We recommend not to stack more than 2 pallets.

LAID METHOD

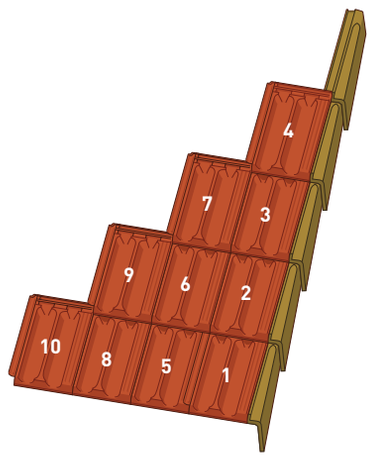
STRAIGHT BOND PATTERN - Continuous joints laying

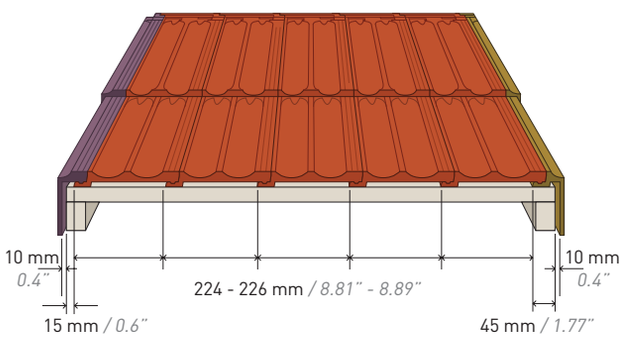
1. The starter course will begin with a full tile from the eave to the ridge, (allowing a 3.15" (8cm) overhang at the eave).

2. The tiles structuring the eave will have to overlap the side course (rake) and fit together one to another.

3. The second course of the tile will lay up directly over the previously installed field tile to the proper exposure and overlapping. See Figure for sequence of installation for fist and succeeding courses of tiles from the eave to the ridge.

4. The left section (vertical terminating end) of the roof can be closed by using a half (1/2) tile (end band) - **Q18** to overlap the left side course (rake) -**Q14**.





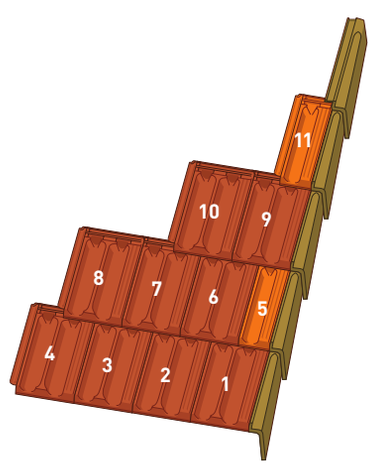
Q14 Left side course
Q15 Right side course

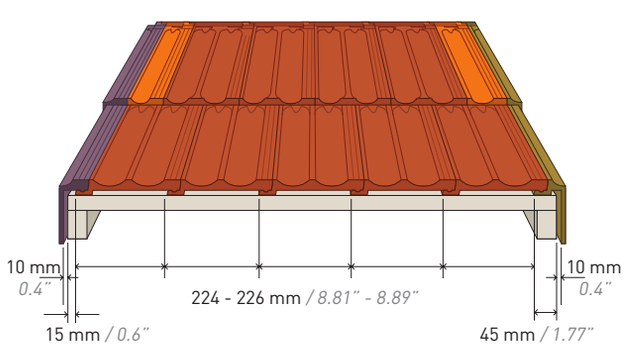
BROKEN BOND PATTERN - Opposite joints laying

1. The starter course will begin with a full tile from the eave to the ridge, (allowing a 3.15" (8cm) overhang at the eave). The tiles structuring the eave will have to overlap the side course (rake) and fit together one to another.

2. The second course will be started with half (1/2) tile (end band) -**Q18** and will be laid to provide the proper vertical exposure.

3. All joints of the second course and succeeding courses should be at the center line of the previous course, alternating half tiles and full tile at the start and at the end of each course. This is continued through each successive course.





Q14 Left side course
Q15 Right side course
Q18 Half tile / End band

TIP

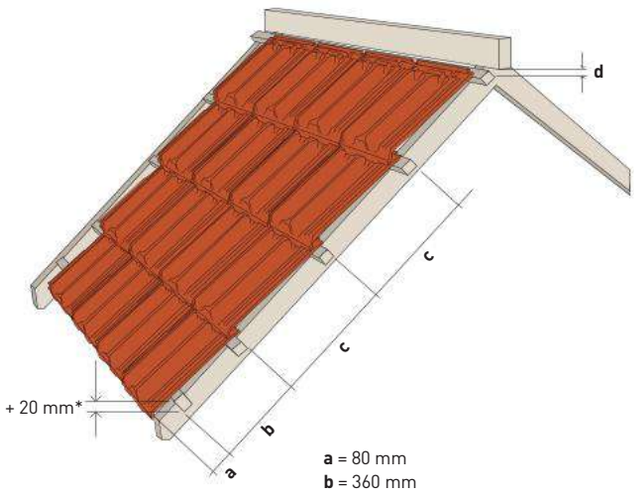
Widthwise or lengthwise laid suggested in the technical catalogues are theoretical. The roofer must calculate the real widthwise or lengthwise laid of the tiles to be installed according to the methods defined in the rules in force in our installation manual.

Tiles are manufactured with natural components and fired at high temperature which generates small dimensional variations.

Download the INSTALLATION MANUAL

*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

NOTE: A control line between 3 and 5 rows of tiles (maximum) is recommended.



a = 80 mm
b = 360 mm
c = 403 mm
d = 40-60 mm*Depending on the slope.

INSTALLATION DETAILS



RIDGE

-Ridge tiles must be installed lap facing away from the prevailing winds, in order to assure water tightness.

-Field tiles at top course should be secured directly either into the deck or top batten with stainless ring screw nails or similar.

-All ridges and hips shall be covered with Under ridge roll or similar approved breathable waterproof underlayment. Underlayment should be secured over the ridge nailed with non-corrosive roofing nails.

-Apply ridge tiles with a minimum overlapping of 5 cm (2") throughout the ridge line facing away from the prevailing wind-driven rain.



HIP

-Hip tiles must be installed in the same way as in the ridge.

-Field tiles must be mitter cut parallel to the hip line and secured.

-All ridges and hips shall be covered with Under ridge roll or similar approved breathable waterproof underlayment.

- Air should be able to flow through the ridge and hip area. Be sure not to close these off with mortar or similar. Closing them off could result in cracks, peeling off.., in freezing and thawing cycles.



VALLEY

-Both Valley and eave line channel are particularly vulnerable to water migration and leakage. Valleys should have a clear and unobstructed pathway for quick water drainage.

-Install valley battens on each side of the valley crease. Roll or plate aluminium valley tape, or similar approved adhered waterproof valley underlayment, shall be laid vertically up all valleys in addition to other required underlayment that should be fixed by using glue, resin or similar.

-Where valley intersects with ridge line, apply roll or plate aluminium valley tape, or similar approved underlayment, which should be covered by the ridge tile. Valley should be extended along the eaves to overhang the fascia board by 5cm (2") or over the gutter.

-Tiles should be laid parallel to the valley line, at same relative angle and should overhang the valley battens by at least 10 cm (4").

-Tiles at each side of the valley crease should be laid to provide a minimum 15 cm (6") width gap (tiles should held back minimum 7.5 cm (3") from the center of the valley each way).

-Valley tiles must be secured.

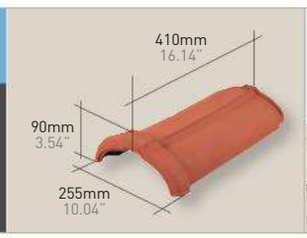
-Proper Valley flashing installation is required to ensure water tightness in order to avoid cracks, peeling off,...

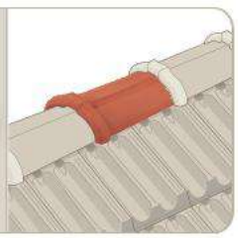
ACCESSORIES

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

Classic ridge / hip

Q01
2,600 gr
5.73 lbs
3 pcs/ml
0.9 pcs/lft





Prime ridge / Hip

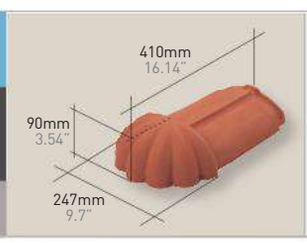
Q02
3,400 gr
7.5 lbs
2.5 pcs/lm
0.75 pcs/lft





Classic ridge end / hip starter

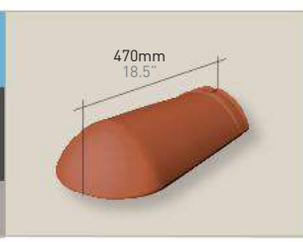
Q03
2,800 gr
6.17 lbs
With Q01





Prime ridge end / Hip starter

Q04
3,300 gr
7.28 lbs
With Q02





Classic 4 way ridge

Q30
4,650gr
10.25 lbs
With Q01

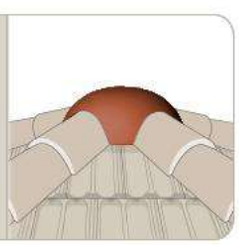




Prime 4 way ridge

Q45
4,100 gr
9.04 lbs
With Q02





Classic 3 way ridge female

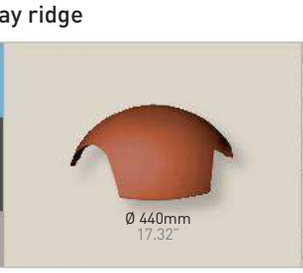
Q42
3,700 gr
8.16 lbs
With Q01





Prime 3 way ridge

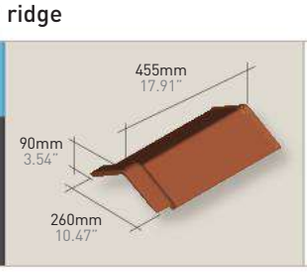
Q44
4,600 gr
10.14 lbs
With Q02





Atica 120º ridge

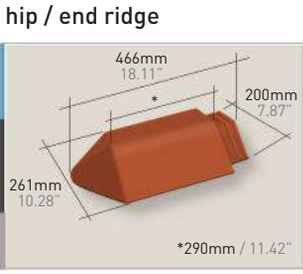
Q110
3,500 gr
7.72 lbs

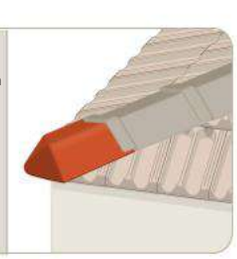




Atica 120º hip / end ridge

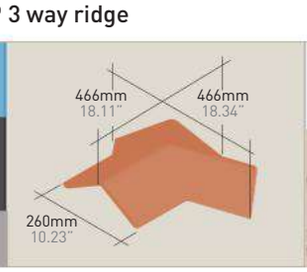
Q109
2,900 gr
6.39 lbs
With Q110





Atica 120º 3 way ridge

Q111
5,100 gr
11.24 lbs
With Q110





Glass roof tile / Skylight

Q41
3,600 gr
7.93 lbs



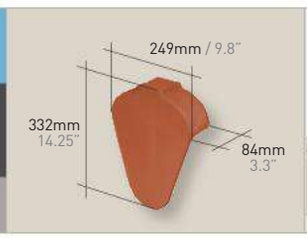


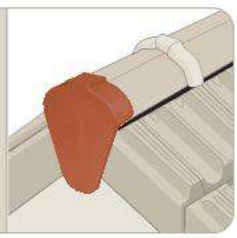
End cap / straight gable end

Q05

2,100 gr
4.63 lbs

With Q01



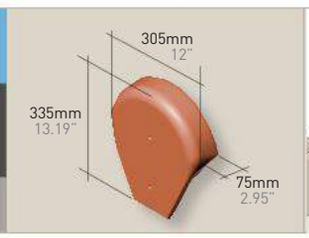


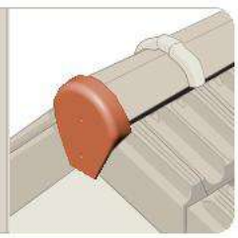
Prime end cap ridge

Q83

2,500 gr
5.51 lbs

With Q02

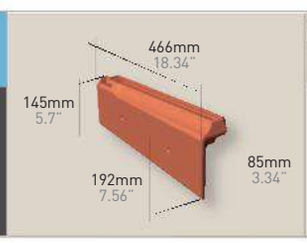




Left side course / rake

Q14

2,500 gr
5.5 lbs
3 pcs/ml
0.9 pcs/lft

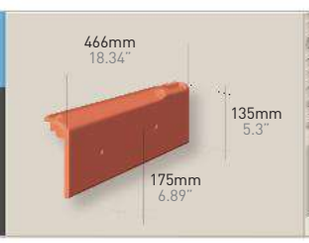




Right side course / rake

Q15

2,500 gr
5.5 lbs
3 pcs/ml
0.9 pcs/lft

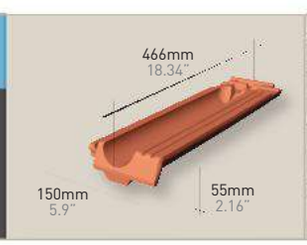




Half roof tile (End band)

Q18

2,300 gr
5.07 lbs
3 pcs/ml
0.9 pcs/lft





Ventilation roof tile

Q21

3,750 gr
8.26 lbs

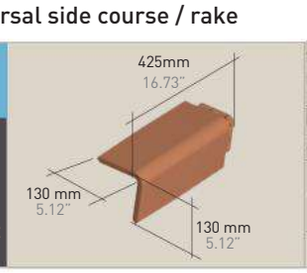




Flat universal side course / rake

Q79

2,850 gr
6.28 lbs
2.5 pcs/lm
0.75 pcs/lft





Chimney support roof tile / Pipe tile

Q46

4,300 gr
9.48 lbs
Ø 11.5 cm
Ø 4.53"





Chimney / pipe cover (with Q46)

Q26

2,760 gr
6.08 lbs
Ø 11.5 cm / 4.53"

With Q46



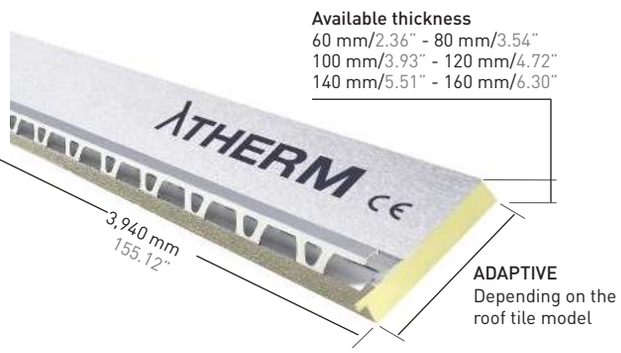


On their products, La Escandella has right to make changes in dimensions, fittings, weight & units per pallet, without previous notice.
For more information, please contact your Sales Representative or our Customer Care Service.

BUILDING SYSTEM

λPROOF
Roofing Components

La Escandella's new installation and insulation systems that are specifically designed for pitched roofs with ceramic tiles. The EscandellaTherm and EscandellaSat systems combine the latest technology in insulation materials with a design to provide an an efficient and healthy solution for the roof.





ESCANDELLΛTHERM

VENTILATED ROOF IN 1 PRODUCT

Self-supporting roof structure - Vapour barrier - Low transmittance thermal inslation

Under-roof waterproofing - Primary batten to create ventilation - Counter battens

λ = 0.022 W/mk

GUARANTEE 15 YEARS BUILDING SYSTEMS

TÜV SÜD

MORE INFO ON THE WEBSITE



TECHNICAL INFORMATION

SLOPES / PITCHES

The minimum pitch standard recommendations should always be followed (see values in the referral table). On all low pitches and pitches below the standard recommended minimums, or in regions where ice dams may occur, a waterproof underlayment and double battens 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 capillarity action, wind-driven rain, and runoff or ice damming. Because of this possibility, the underlayment is critical to the success of the roof.

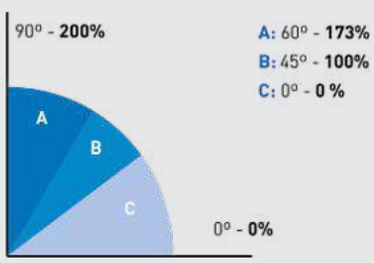
	WITHOUT UNDERLAYMENT		WITH UNDERLAYMENT
Protected	35% / 19,5º	**< 6,5 m**	30% / 17º
Normal	40% / 22º	**< 21.32'**	35% / 19,5º
Exposed	60% / 31º		50% / 26,5º
Protected	35% / 19,5º	**6,5 m - 9,5 m**	30% / 17º
Normal	50% / 26,5º	**21.32' - 31.13'**	45% / 24,5º
Exposed	70% / 35º		60% / 31º
Protected	50% / 26,5º	**9,5 m - 12 m**	45% / 24,5º
Normal	60% / 31º	**31.13' - 39.37'**	50% / 26,5º
Exposed	80% / 39º		70% / 35º

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 MORE than 12m long (39.4'), a waterproof underlayment on the entire roof deck MUST be applied and the ventilation underneath must be reinforced (check with the manufacturer).

FIXATION

The slope of a roof determines the level of fixation of the tiles required. The fixation of the tiles may be necessary to prevent the sliding of the rooftiles or to prevent their lifting by the effect of the air. **In eaves, right and left side course, lines of ridge, valleys, encounters with vertical walls and other singular points, all the pieces will be fixed.** For all other parts, the level of fixation will depend on the pitch.



A: Every roof tile should be securely fastened by nailed, screwed, clipped...

B: Roof tiles will be fixed at least once every two or three, depending on the exposure of the roof and the height of the building.

C: The roof tiles shall be fixed at least in the proportion of one in five from a horizontal line, initiating fixation by rows alternately and regularly on the battens. **In case of high wind exposure, all roof tiles must be fixed.**

VENTILATION

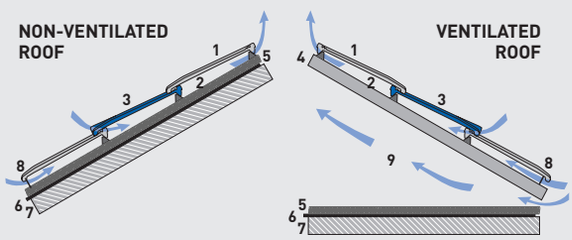
Ventilation is one of key elements to assure a good hygrothermal behavior of the roof and preservation of the roof structure. The key to a good and well preserved roof is a good ventilated roof. Proper installation of Ventilation tiles combined with ventilated roof can result in energy savings, in a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



1. Roof tile
2. Micro-ventilation void
3. Ventilation roof tile
4. Rafter
5. Heat insulation underlayment
6. Waterproof underlayment material
7. Frame
8. Eaves ventilation comb / bird stop
9. Attic

The minimum requirement for any roof is compliance with local building regulations, but to apply La Escandella 35-year guarantee it is essential to respect the manufacturer's usage guidelines, and in particular those for dry installation and ventilation under the tiles. 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.

GUARANTEE 35 YEARS La Escandella



www.laescandella.com

CATALOGUE LATEST VERSION

Colour Shall be Harmonized but clay tiles are a natural product and some shade variations between individual pieces enhance their beauty and should be expected. All Tiles should be blended regardless of the number of colours supplied. Colours of the tiles shown in this catalogue can not faithfully reflect the colours of the ceramic tiles.

On their products, La Escandella has right to make changes in dimensions, fittings, weight & units per pallet, without previous notice. For more information, please contact your Sales Representative or our Customer Service.

This catalogue, printed in August 2026, replaces the existing ones.