

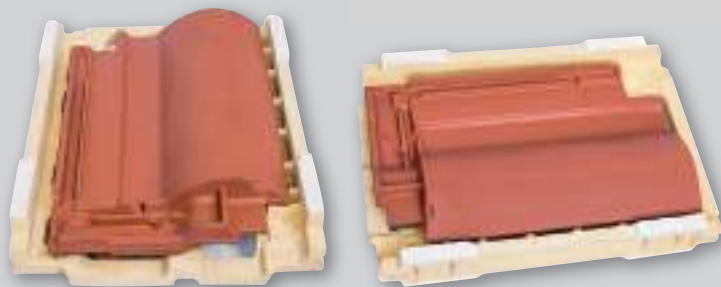
# SELECTUM

Klinker Quality with **Flexi**Lock





# CERAMIC ROOF SOLUTIONS



Single H fire supports that allow the tiles to be fired individually at high temperatures, obtaining perfect definition.



PERFECTION IS TO REACH THE TOP. La Escandella stands once again by the latest technology, heavily investing in a new production line designed to optimize the finish of its products and creating a Premium product range. [Discover the new H-Selection line, made for excellence.](#)

H-Selection is the result of applying modern manufacturing processes in H-Cassette to a selection of our products, endowing them with numerous functional and aesthetic advantages and benefits.



#### **Excellent flatness**

Individual curing of each tile thanks to support in H. Excellent flatness with no contact points.



#### **High definition on each piece**

It provides a perfect definition on each piece, made with gypsum moulds, providing a much finer texture.



#### **Low absorption**

Higher resistance to ice and mould formation.



#### **Lifetime warranty**

Our 100 years of warranty ensure your peace of mind and demonstrate the quality of our manufacturing process.

# SELECTUM

### Protection 4X

The most exposed area has 4 layers of protection.

### Higher resistance

The clay composition together with the perfect pressing allows flexion higher than the required while only weighing 3,5 kg.

### Lower absorption (<5%)

High quality clay together with high firing temperature mean higher resistance to ice and mildew.

### High definition on each piece

The gypsum moulds provide a perfect finish, obtaining a smoother texture, no contact points nor creases.

### Flexilock

A system to make the installation easier and guarantee a perfect fit for any roof. The number of tiles per square meter may vary from 11 to 14

### Low pitch

Design optimized to be used in pitches as low as 19%/10°

### Cost reduction

-30% weight vs. a concrete tile.  
Lighter roof.  
Cost-effective installation.



## 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*	L: 468 mm; W: 280mm; L: 18.4"; W: 11"
Pieces /sqm	12.5
Weight piece	3.500 gr / 7.71 lbs
Longitudinal fit **	382 mm / 15.6"
Transversal fit **	207 mm / 15.6"
Units per pallet	240 / 320
Weight pallet	840 kg / 1120 kg // 1,852 lbs / 2,469 lbs
Laying	Straight bond

\*The tile dimensions indicated in this chart allow a tolerance of approximately 7.2%  
\*\*Theoretic value: this should be re-calculated on site with the tiles that are to be used.

\*Flexilock system offers vertical and lateral tolerance, which make the installation easier and guarantee a perfect fit for any roof. The number of tiles per square meter may vary from 11 (long. fit 382 and transv. fit 231) to 14 (long. fit 348 and transv. fit 205).







La Escandella

**100** YEARS

GUARANTEE

PERFECTION AT THE  
FOREFRONT OF DESIGN



# FINISHES

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**TSVK**

GALIA KLINKER

**TSRRK**

RUSTIC RED KLINKER

**TSRK**

RED KLINKER

**TSPK**

SLATE KLINKER

**TSPRK**

PROVENCE KLINKER

**TSEZ**

LIGHT BLUE

# Inspiring Colours

# GLAZED RANGE

**TSMK**

BROWN KLINKER

**TSEG**

CARMINE

**TSEV**

LIGHT GREEN

**TSEO**

DARK GREEN

**TSEC**

COGNAC

**TSEA**

DARK BLUE

**TSEN**

BLACK

# TECHNICAL ADVANTAGES

## 1 FLEXILOCK

- A system to make the installation easier and guarantee a perfect fit for any roof. The number of tiles per square meter may vary from 11 to 14.



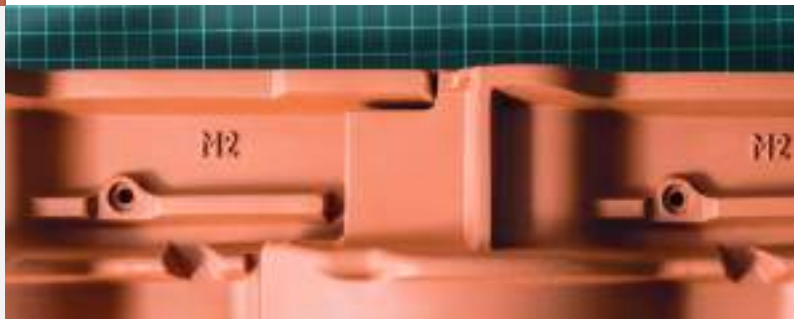
## 2 LOWER ABSORPTION

- Water absorption is lower than 5%.
- *Higher resistance to ice and mildew.*



## 3 PROTECTION 4X

- The most exposed area has 4 layers of protection.



## 4 TOP INTERLOCKING

- Top interlocking sealed.
- *Bigger watertightness: tiles can be fixed straight on due to the interlocking system.*



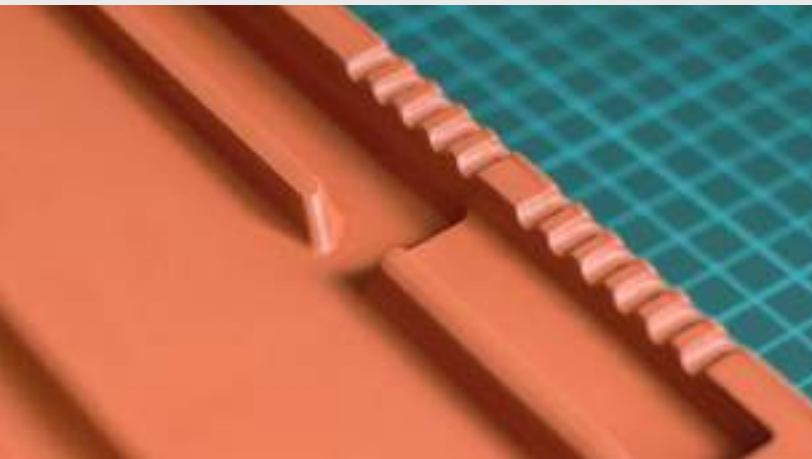
## 5 NAIL HOLE

- Pre-hole (easy to be nailed)
- *Less tile breakages when nailing.*



## 6 HOOK ATTACHMENT

- Sawtooth.
- *Easy hook fixing; one hook allows to fix 3 roof tiles at same time*





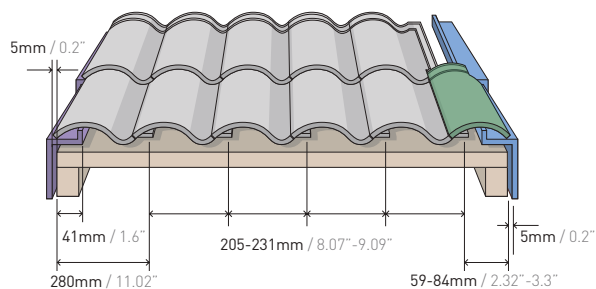
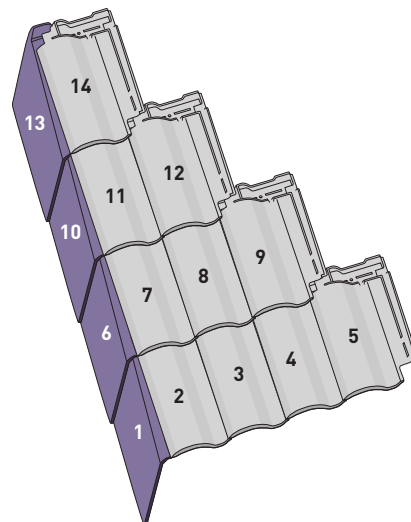
A close-up photograph of a curved, layered architectural element, possibly a piece of wood or stone, showing a smooth, polished surface and a deep, shadowed crevice. The colors are warm, ranging from light beige to deep terracotta. A thin horizontal line is visible near the top of the image.

**BEAUTY & FUNCIONALITY**  
ALL IN ONE

# LAI D METHOD

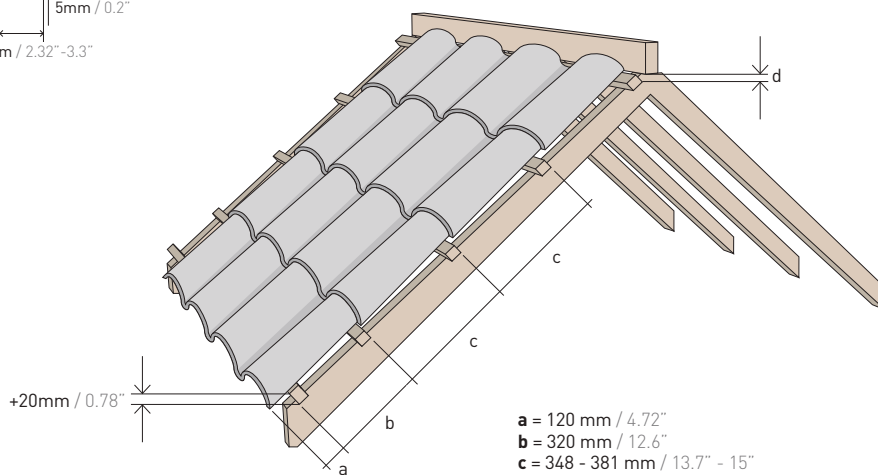
## LAYING

1. The starter course will begin with the Selectum left side course (Q133K).
2. Start laying tiles structuring the eave from left to right and allowing a 5 cm (2") overhang at the eave.
3. The right section (vertical terminating end) will be finished with a Half (1/2) Tile (Q130K) over the Selectum right side course (Q134K).
4. Complete the installation with succeeding courses of tiles from the eave to the ridge.
5. Every 5 tiles it is recommended to draw a vertical control line to avoid deviations.



- **Q133\*K** Selectum left side course klinker
- **Q134\*K** Selectum right side course klinker
- **Q130\*K** Selectum half roof tile klinker

First course batten should be 20mm [0.78"] higher than all succeeding course battens to provide a vertical alignment and to assure a symetrical installation.



- a** = 120 mm / 4.72"
- b** = 320 mm / 12.6"
- c** = 348 - 381 mm / 13.7" - 15"
- d** = 0-20 mm / 0 - 0.78" (Depending on the slope)



# INSTALLATION DETAILS

## RIDGE

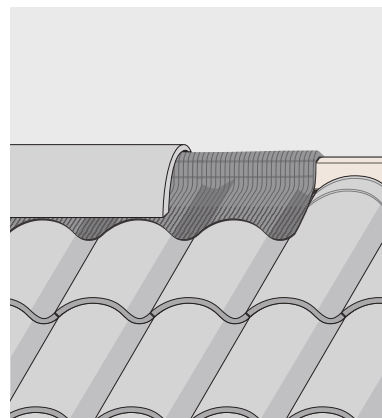
-Ridge tiles must be installed lap facing away from the prevailing winds, in order to assure water tightness.

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

-At the top course of the roof (horizontal terminating end) field tiles can be finished by using Wedges (Q08K).

-All ridges and hips shall be covered with self adhesive Alu-Roll (La Escandella Aluminum roll for hip and ridges - CAM01) 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.



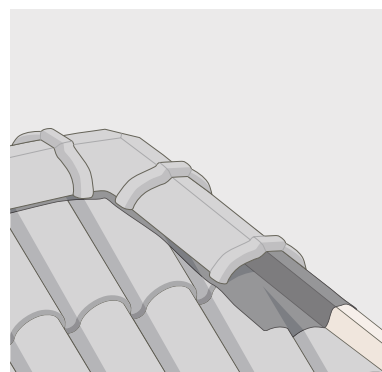
## HIP

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

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

-All ridges and hips shall be covered with self adhesive Alu-Roll (La Escandella Aluminum roll for hip and ridges - CAM01) 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. Alu-roll Valley (CAM18), 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.

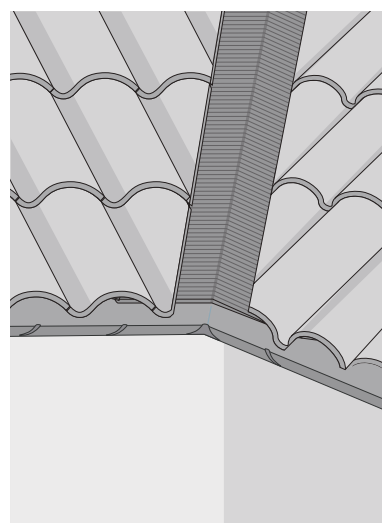
-Where valley intersects with ridge line, apply Alu-roll Valley (CAM18), or similar approved underlayment, which should be covered by the ridge tile. Valley should be extended along the eaves to overhang the fascia board by 5cm (2") or over the gutter.

-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

**Q01\*K | Ridge / Hip klinker**



2,600 gr / 5.73 lbs      3 u./lm

**Q02\*K | Round ridge / Hip klinker**



3,400 gr / 7.49 lbs      2.5 u./lm

**Q03\*K | Ridge end / Hip starter klinker**



2,900 gr / 6.39 lbs      with **Q01\*K**

**Q04\*K | Round ridge end / Hip starter klinker**



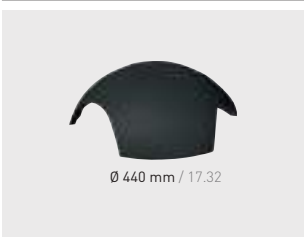
3,600 gr / 7.93 lbs      with **Q02\*K**

**Q08\*K | Wedge klinker**



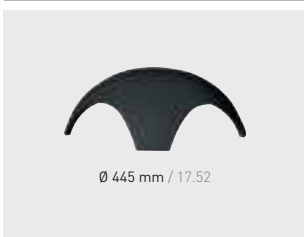
800 gr / 1.76 lbs

**Q44\*K | Round 3 way ridge klinker**



4,600 gr / 10.14 lbs      with **Q02\*K**

**Q45\*K | Round 4 way ridge klinker**



4,100 gr / 9.04 lbs      with **Q02\*K**

**Q55\*K | Round 3 way ridge female klinker**



4,100 gr / 9.04 lbs      with **Q02\*K**

**Q05\*K** | End cap / Straight gable end klinker



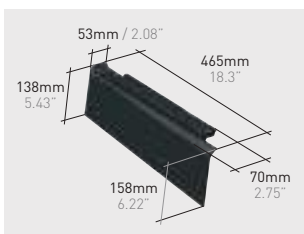
2,100 gr / 4.63 lbs with **Q01\*K**

**Q83\*K** | End cap round ridge klinker



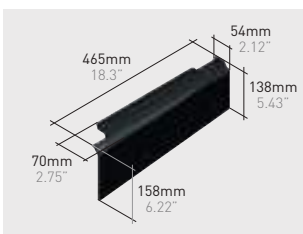
2,600 gr / 5.73 lbs with **Q02\*K**

**Q133\*K** | Selectum left side course klinker



2,010 gr / 4.43 lbs 2,5 uds/ml

**Q134\*K** | Selectum right side course klinker



2,380 gr / 5.24 lbs 2,5 uds/ml

**Q130\*K** | Selectum half roof tile klinker



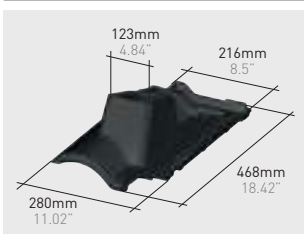
1,580 gr / 3.48 lbs

**Q131\*K** | Selectum ventilation roof tile klinker



3,500 gr / 7.71 lbs

**Q132\*K** | Selectum chimney support klinker



4,200 gr / 9.26 lbs

**Q135\*K** | Selectum chimney cover klinker



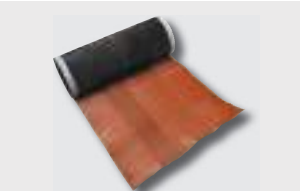
1,100 gr / 2.42 lbs with **Q132\*K**

SELECTUM

# ROOFING COMPONENTS

La Escandella offers a wide range of non-ceramic accessories which help finish off any type of roof. From waterproofing to ventilation, fixing and batten installing, safety implementation and multiple profiles can be found here. (Ask for wider range in last Price List).

**CAM01 / CAMF1**  
Alu-Roll With Micro Cut



Width: Several sizes.  
Colours: Red, paja, brown, black.

**CAM08 / CAMF8**  
Alu-Flex



Width: Several sizes.  
Colours: Red, paja, brown, black.

**CAM09 / CAMF9**  
Alu-Roll Membrane



Width: Several sizes.  
Colours: Red, brown, black.

**CAM18**  
Alu-Valley Tape



Width: 50 mm / 1.96"  
Colours: Red, brown, black.

**CAM65 / CAM21 / CAM52 / CAM53**  
Waterproof membrane



Dimensions: 1,5 m x 50 m / 1.64 yd x 54.68 yd  
Weight: several weights.

**CAM27 / CAM10**  
Ridge Tile Hooks (Q01 / Q02)



Colours: Red, brown, black.

**CAM05 / CAM010 / CAM51**  
Ridge Batten Brackets



Dimensions: Several sizes.

**CAM16**  
Eaves Ventilation Comb

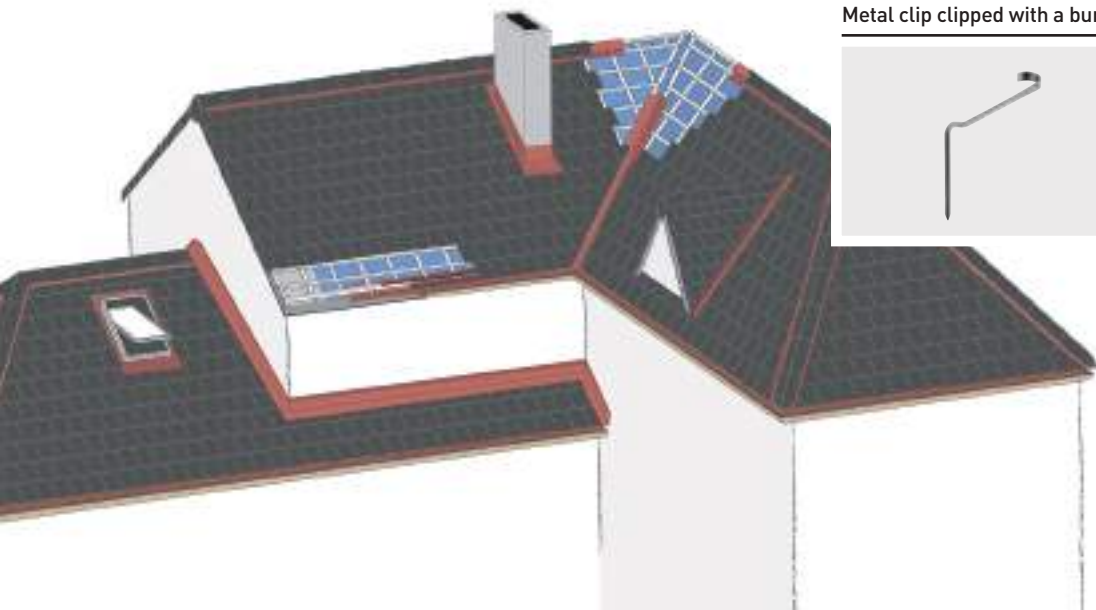
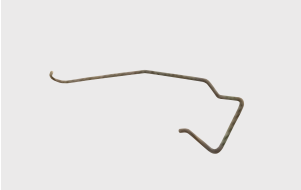


Dimensions: 6cm x 1m / 2.36" x 39.37"  
Colours: Red, brown, black.

**CAM64**  
Metal clip clipped with a bumper



**CAM59**  
Metal clip for wood battens





# TECHNICAL INFORMATION

## 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.

	WITHOUT UNDERLAYMENT				WITH UNDERLAYMENT			
	ZONE 1	ZONE 2	ZONE 3		ZONE 1	ZONE 2	ZONE 3	
Protected	25% / 14°	27% / 15,5°	30% / 17°	Hip < 6,5 m	19% / 10°	21% / 11°	23% / 12°	Protected
Normal	25% / 14°	27% / 15,5°	30% / 17°		21% / 11°	23% / 12°	26% / 14°	Normal
Exposed	33% / 18,5°	37% / 20,5°	40% / 22°		28% / 15°	32% / 17°	34% / 18,8°	Exposed
Protected	28% / 16°	32% / 18°	36% / 20°	Hip 6,5 m - 9,5 m	22% / 12°	24% / 13°	26% / 14°	Protected
Normal	28% / 16°	32% / 18°	36% / 20°		24% / 13°	27% / 15°	31% / 17,5°	Normal
Exposed	35% / 19,5°	39% / 21,5°	43% / 23,5°		30% / 17°	33% / 18°	37% / 20,5°	Exposed
Protected	32% / 18°	35% / 19,5°	40% / 22°	Hip 9,5 m - 12 m	23% / 12°	26% / 14°	30% / 17°	Protected
Normal	32% / 18°	35% / 19,5°	40% / 22°		27% / 15°	30% / 17°	34% / 18,8°	Normal
Exposed	42% / 23°	45% / 24,5°	50% / 26,5°		36% / 19°	39% / 21°	43% / 23,5°	Exposed

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

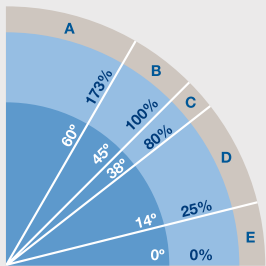
**NORMAL LOCATIONS::** Flat area, plateau with minimal elevation changes.

**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 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.



**A:** Every tile should be securely fastened (Nailed, screwed, clipped...) (60° / 203/4:12).

**B:** As a minimum, each tile in every five proportion, should be secured with (10 gauge) non-corrosive ring shank nails or screws (45° / 12:12).

**C:** Each tile hangs on the batten (held by the nib) (38° / 10:12).

**D:** Each tile hangs on the batten, held by the nib. When mortar is used, back bed and face point with color matched mortar. Clean off all excess mortar from the face of the tiles. For Foam Adhesive, refer to local building codes.

**E:** La Escandella recommended minimum slope requirements is 30% [4:12].

## VENTILATION

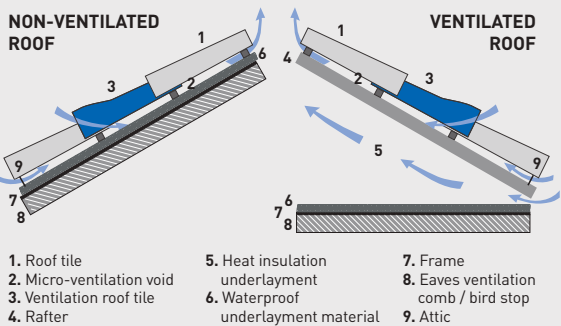
Ventilation is one of key elements to assure a good hygrothermal behavior of the roof and preservation of the roof structure. The key to a good and well preserved roof is a good ventilated roof. Proper installation of Ventilation tiles combined with ventilated roof can result in energy savings, in a 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 Flat/Alicantina ventilation tile (Q131K) for every 7 m<sup>2</sup> (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.





## SELECTION

La Escandella



[www.laescandella.com](http://www.laescandella.com)



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 June 2018, replaces the existing ones.