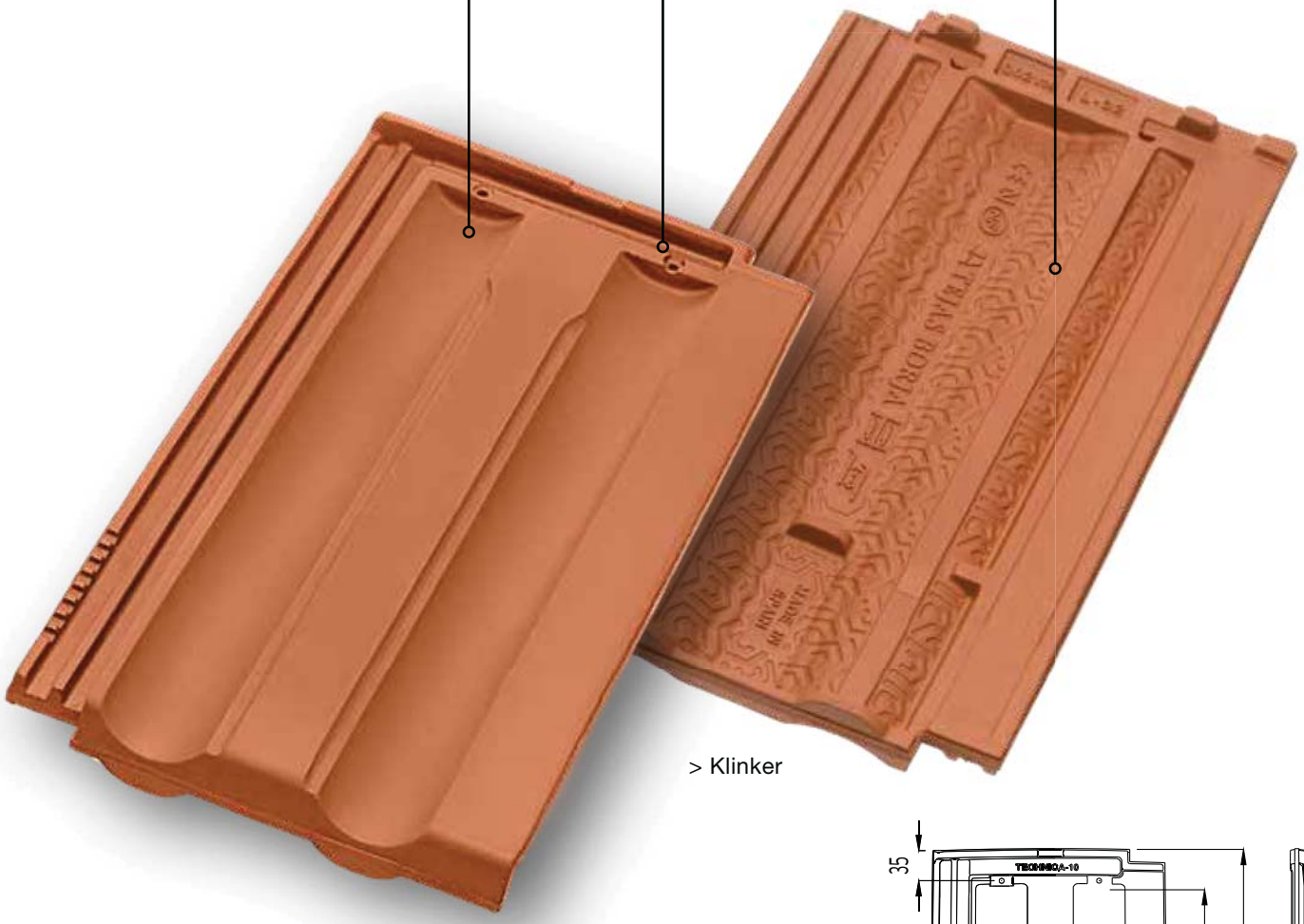
TECHNICA-10

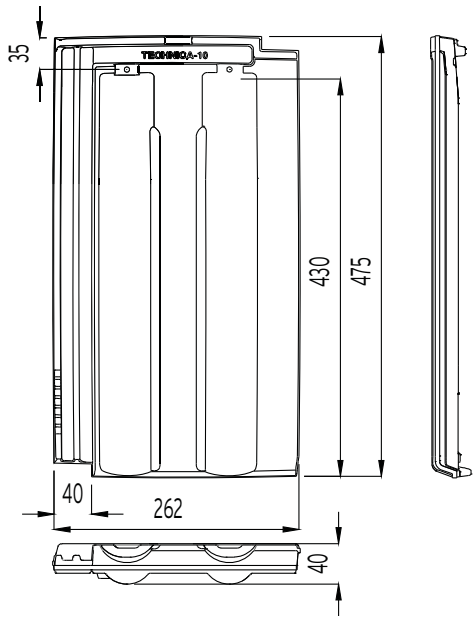
Deep channel, extremely watertight

Great definition

Easy to install



> Klinker



Easy to install

Mountain climate

Longitudinal Overlap 45 mm

Dimensions	475 mm x 262 mm
Minimum pitch recommended	30% - 17° (*)
Weight	3.05 Kg./Unit
Units / sq. m.	10.90 Units
Units per LM eave line	4,5 Units
Useful width	220 mm
Useful length (Batten distance) VARIABLE	370-415 mm
Pallet data	(TB) 320 Units / 1.070 Kg. (TC) 240 Units / 805 Kg.
Minimum order	6 Units**

** The tiles are subject to minimum order and must be multiples thereof.

Mountain climate According D.3 RP34.02

Perfectly watertight MobyDick II tested (CTMNC - Paris)

Approximate values: If the roof tiles are installed on battens, the useful length must be calculated on site. A tolerance of ± 2% is allowed on the dimensions of the roof tiles according to EN 1024.

The certified characteristics for the NF Terracotta tiles are: Structural faults, the geometric characteristics, resistance to flexural strength , impermeability, frost resistance for all products made with red clay. AFNOR Certification / 11 rue Francis de Pressensé / 93571 LA PLAINE / SAINT-DENIS CEDEX / www.marque-nf.com

(*) In zone 1 (protected area), arranged in staggered formation with waterproof membrane and batten distance of 370 mm on a skirt of up to 6.5 m. Check pitch pannel according to the roof length and the geographical area according to EN 136020.

PLAIN COLOUR

Graphite

Chocolate

Mid Grey

NATURE

Red

Moss Red

NOTE: Finishes for the Technica-10 roof tile are produced only one side.

ACCESSORIES

FLAT ROOF TILES

1

Angular Ridge
42 x 30,5 x 9,7 cm.
2,5 Units/ml / 3,2 kg.
Max. Slope. 62%-31.5º

2

Angular Hip Starter
42,2 x 30,5 x 10 cm.
2,83 kg.

3

Angular 3 Ways
45,2 x 29,3 x 10 cm.
4,37 kg.

4

Angular 4 Ways
46 x 41,5 x 16,5 cm.
6,50 Kg.

5

Straight End Cap
8,5 x 28,5 x 12,5 cm.
2,65 kg.

6

100º Ridge
47,5 x 25 x 10,5 cm.
2,22 Units/ml / 4,00 kg.
Max. Slope. 100% - 45º

7

100º Hip Starter
37 x 25 x 10,5 cm.
2,70 kg.

8

100º 3 Ways
40 x 45 x 22 cm.
5,15 kg.

9

100º 4 Ways
46,5 x 46,5 x 16 cm.
7,50 Kg.

10

100º End Cap
27,5 x 28 x 7 cm.
2,1 kg.

11

Interlocking Edges
FLAT-5XL Left
45,5 x 15 x 8 cm.
2,20 kg.

12

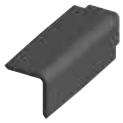
Interlocking Edge Left
45,5 x 15 x 8 cm.
2,20 kg.

13

Interlocking Edge Right
47,2 x 15 x 11,2 cm.
3 kg.

14

Straight Edge
FLAT (Left/Right)
40,4 x 12,4 x 12,4 / 2,6 cm.
3 Units/ml / 2,50 kg.



15

Universal Angular Edge
43 x 14,5 x 14,5 cm.
2,5 Units/ml / 2,85 kg.
(on monopitch)

16

Ventilation Cap
24,5 Øext - 22 Øint x 6 cm.
1,70 kg.

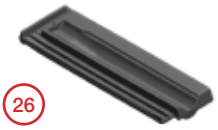
18

Chimney d.130
20,4 Øext - 18 Øint x 23,5 cm.
2,15 kg.

TECHNICA-10

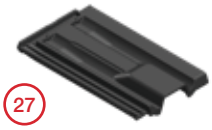
25

Chimney Carrier
TECHNICA-10 d.130
47,3 x 26,2 x 10,5 cm.
17 Øext - 13 Øint / 3,7 kg.



26

Half
TECHNICA-10
47,5 x 15,5 x 2,6 cm.
2 kg.



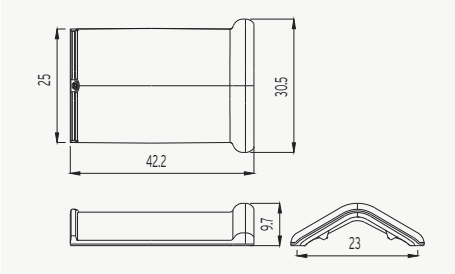
27

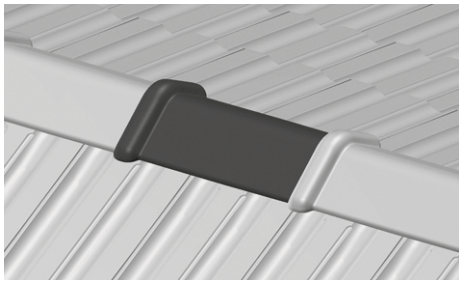
Ventilation
TECHNICA-10
47,5 x 26,2 x 10,5 cm.
3,4 kg.

A tolerance of ± 2% is allowed on the dimensions of the roof tiles according to EN 1024. Dimensions in centimeters. Check finishing colours for different accessories . Accessories are subject to minimum order and must be multiples thereof. For textured roof tiles finishes, the Half and Ventilation roof tiles are with texture; other accessories are without texture.

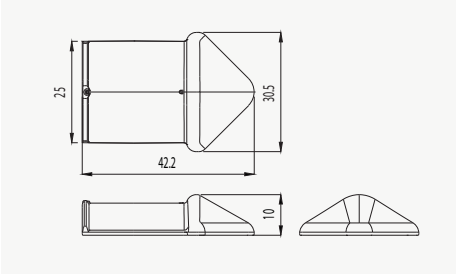
ACCESSORIES

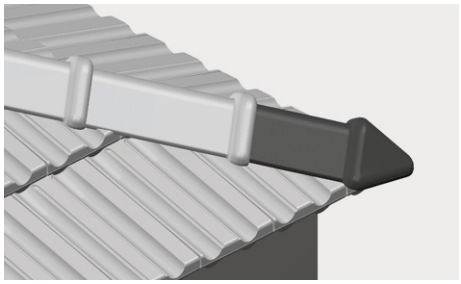
1 Angular Ridge



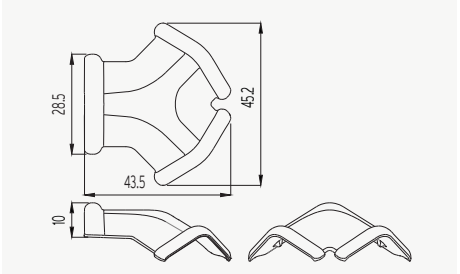


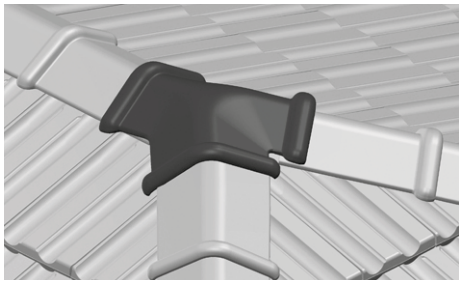
2 Angular Hip Starter



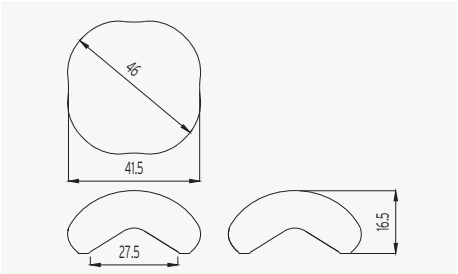


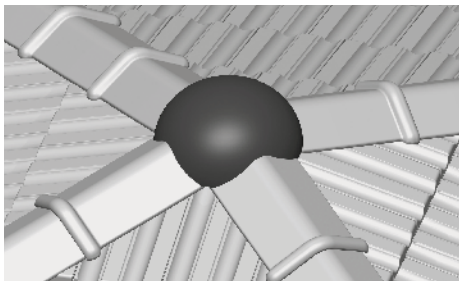
3 Angular 3 Ways



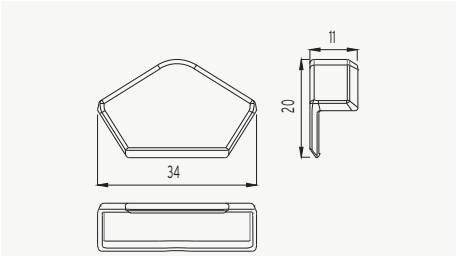


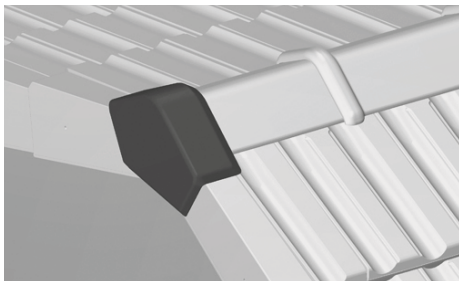
4 Angular 4 Ways



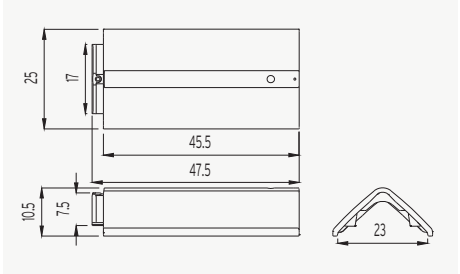


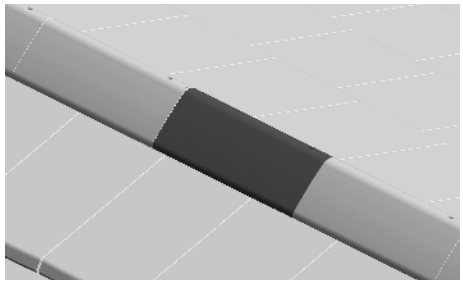
5 Straight End Cap



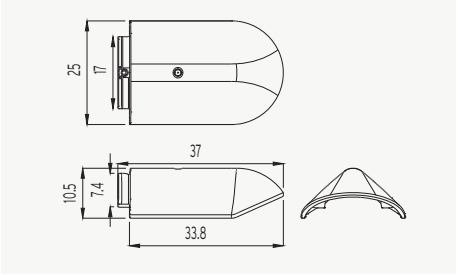


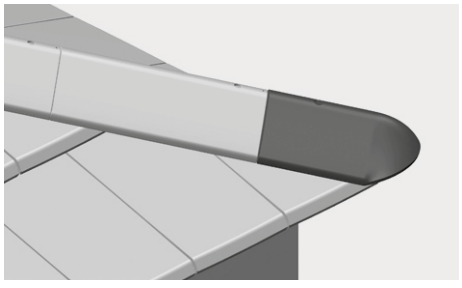
6 100º Ridge



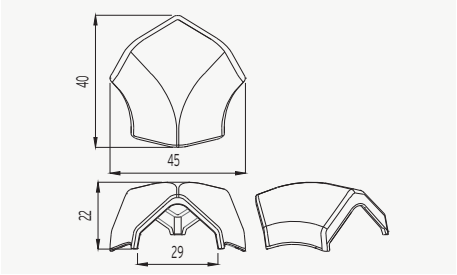


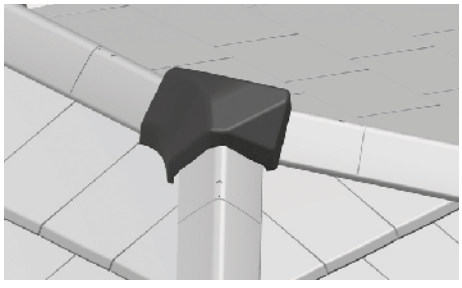
7 100º Hip Starter



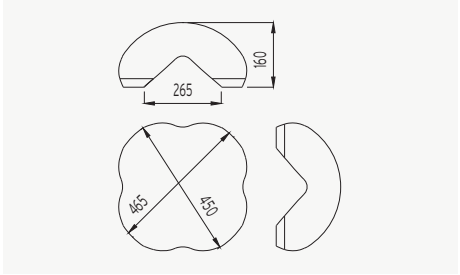


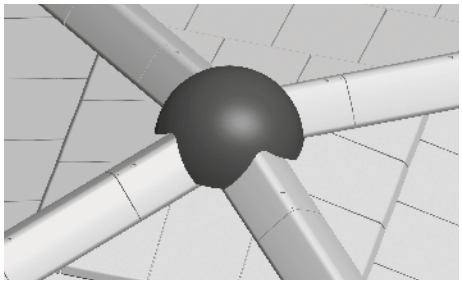
8 100º 3 Ways





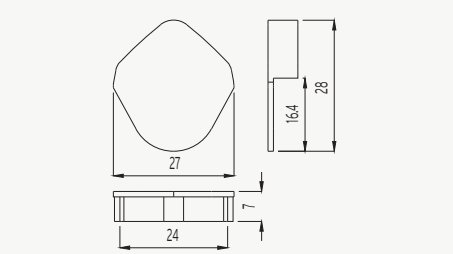
9 100º 4 Ways

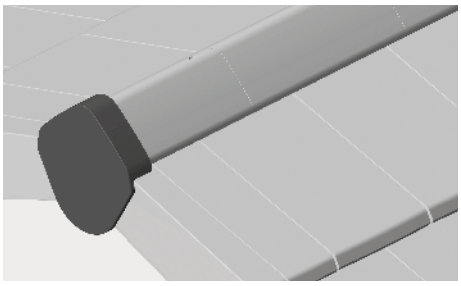




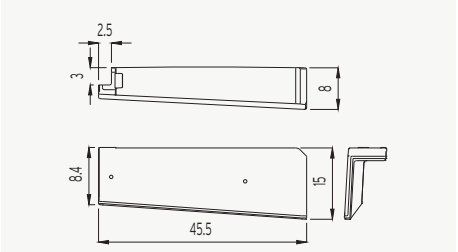
ACCESSORIES

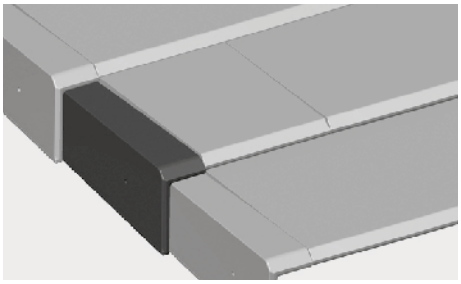
10 100° End Cap



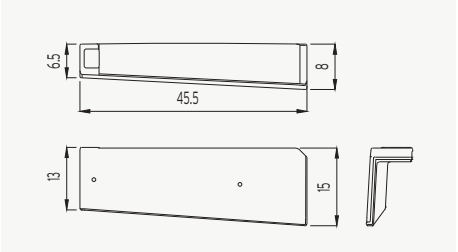


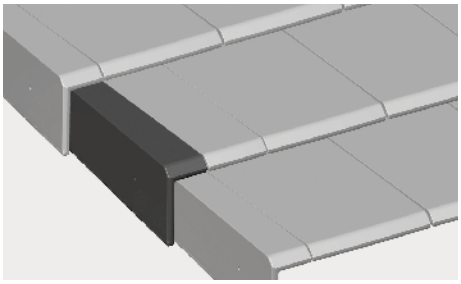
11 Interlocking Edge FLAT-5XL Left



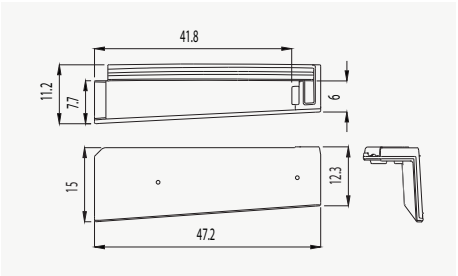


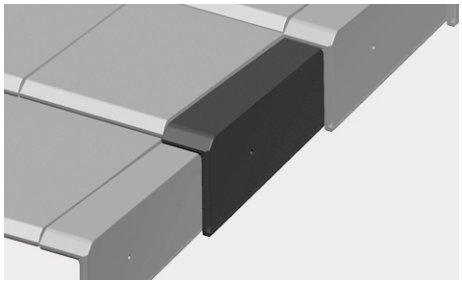
12 Interlocking Edge Left



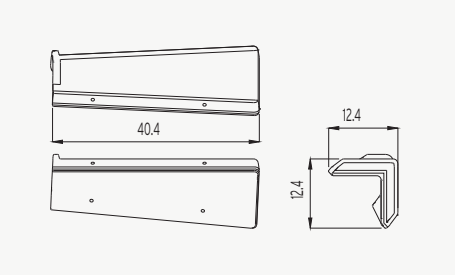


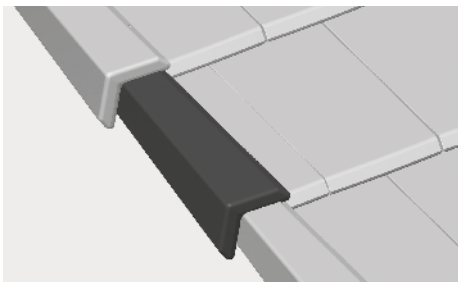
13 Interlocking Edge Right



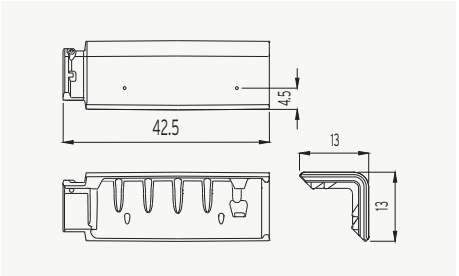


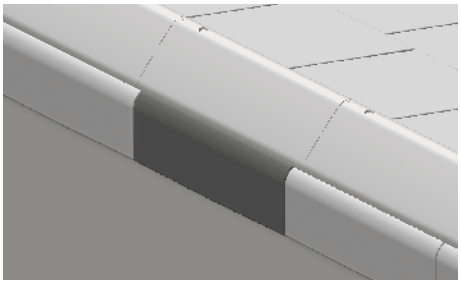
14 Straight Edge FLAT (Left/Right)



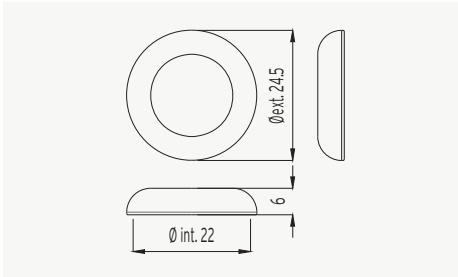


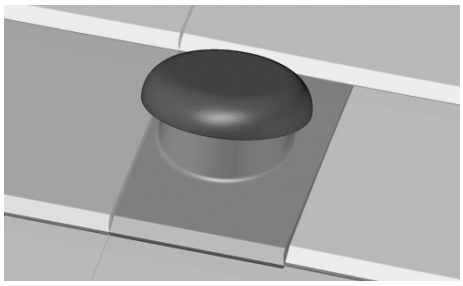
15 Universal Angular Edge (on monopitch)



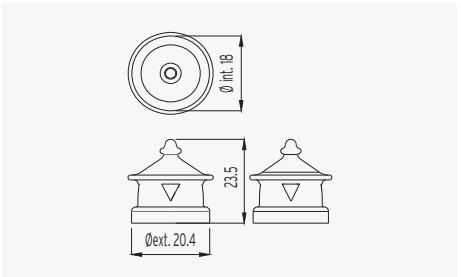


16 Ventilation Cap



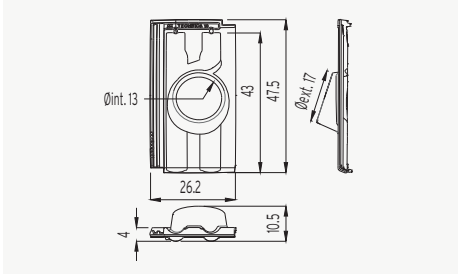


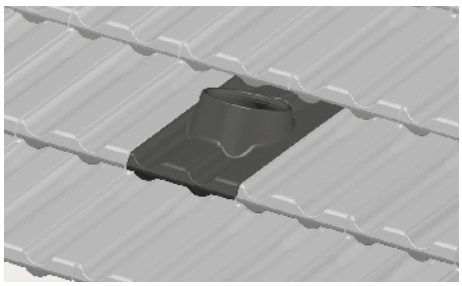
18 Chimney d.130



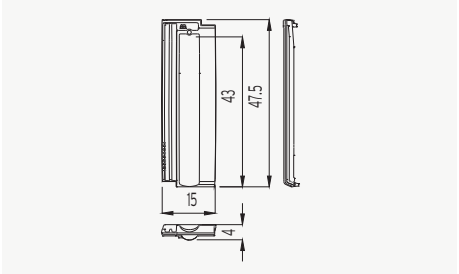
ACCESSORIES

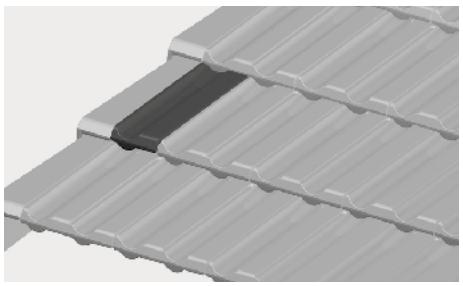
25 Chimney Carrier TECHNICA-10 d.130



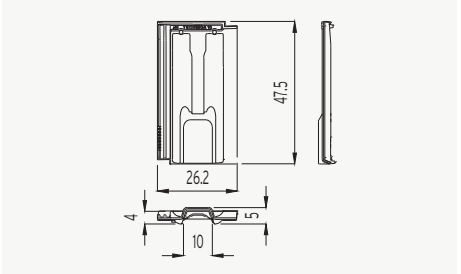


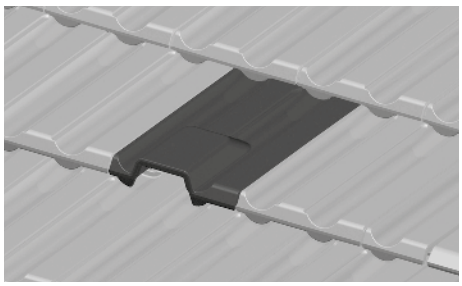
26 Half TECHNICA-10





27 Ventilation TECHNICA-10





FLAT ROOF TILES INSTALLATION

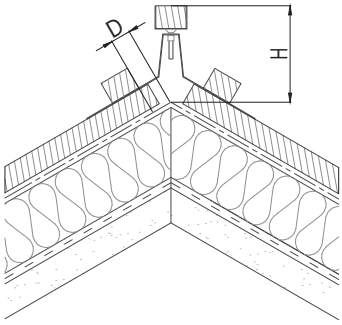
ROOF SLOPES

Each roof must be planned taking into account where it should be built and the length of the deck, in accordance with the technical standards applicable in each territory. It is for this reason that for each area and location, must take into account of the minimum slopes for installation and the roof length.

Pitch panel according to the roof length and the location. (according to UNE - 136020)

Location	Roof length up to 6.5 m	Roof length from 6.5 to 9 m	Roof length from 9 to 12 m
Protected	42% - 22,5º	50% - 26,5º	55% - 29º
Normal	50% - 26,5º	55% - 29º	65% - 33º
Exposed	65% - 33º	75% - 37º	85% - 40,5º

Use the breathable/waterproof membrane on the support.
A special study should be carried out for roof length more than 12m in length (ask us).



	FLAT-5XL 100º Ridge			FLAT-10 100º Ridge			TECHNICA-10 Angular Ridge	
º	20º	30º	40º	20º	30º	40º	20º	30º
D (mm)	60	55	55	70	65	65	90	55
H (mm)	60	45	35	60	45	35	50	40

D - Distance between the last batten and ridge line; H - Height of ridge batten; º - Pitch
The technical drawing is an example of construction. The roof tiles must be overlaped approx. 7-9 cm with the ridge.

FITTING

Roof tiles on the roof surface must be fixed to the support to a greater or lesser extent, depending on the pitch. In the case of singular points such as eave lines, edges, hip lines, valleys, joints and the ridge line, all roof tiles and accessories of these joints must be fixed to the battens.

We recommend that all roof tiles that form the perimeter of each skirt be fixed mechanically.

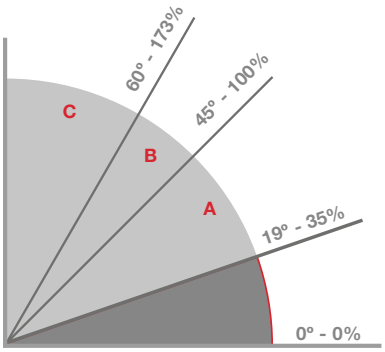
Batten type:	Metallic
	Treated wood
Dry installation:	Screws, nails and clips (depending on the support)
	Roof tiles adhesives

A 35% - 100% The roof tiles will rest on battens, since they are provided with nib support.

B 100%-173% All the roof tiles around the perimeter of each roof surface must be fixed and at least one in every five should be fixed in a regular manner.

C > 173% In areas with strong winds, exposed areas or areas with basic seismic acceleration of > 0.12g, all roof tiles should be fixed mechanically to the battens.

Installation must comply with the technical standards applicable in each territory Code of practice for design and fixing of roofs with clay roofing tiles and Tejas Borja specifications.



Less than 35% - Total waterproof of the entire roof surface is required for any pitch.

VENTILATION

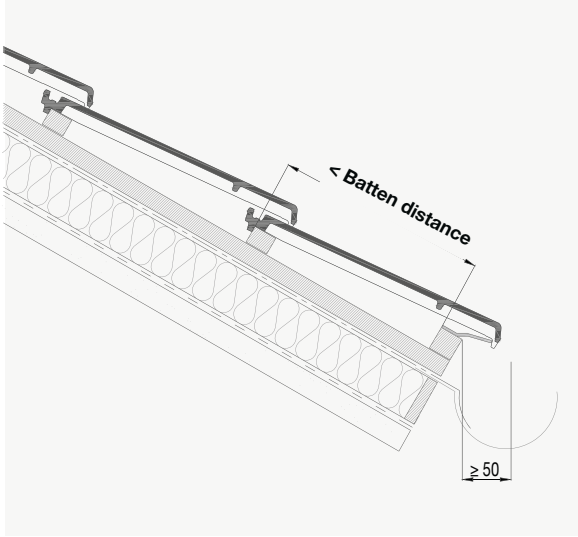
Under-tile ventilation is necessary at all times. This will guarantee the durability of the material used to build the roof with their optimal characteristics, improving the hygrothermal performance of the roof tiles against the moisture resulting from condensation.

There must be a continuous air flow between eave lines and ridge line. Therefore, a space must be left between the roof tiles and the support. As a result, eave lines, ridge lines and singular points must never be filled in with mortar, as this will impede micro-ventilation.

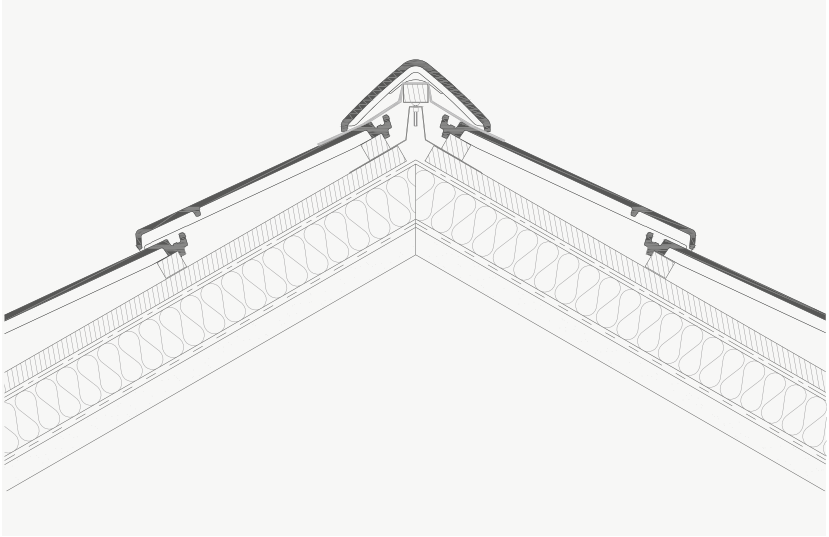
Ventilation roof tiles will also be installed in a uniform manner across the surface of the roof. In case of dry installation, it is recommended that at least 1 ventilation roof tile be used every 10 sq.m. and 4 ventilation roof tiles per each roof skirt.

TECHNICA-10 ROOF TILES INSTALLATION

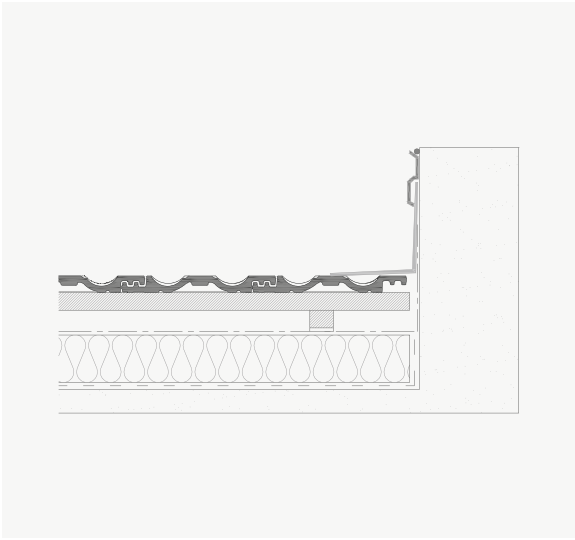
EAVE LINE



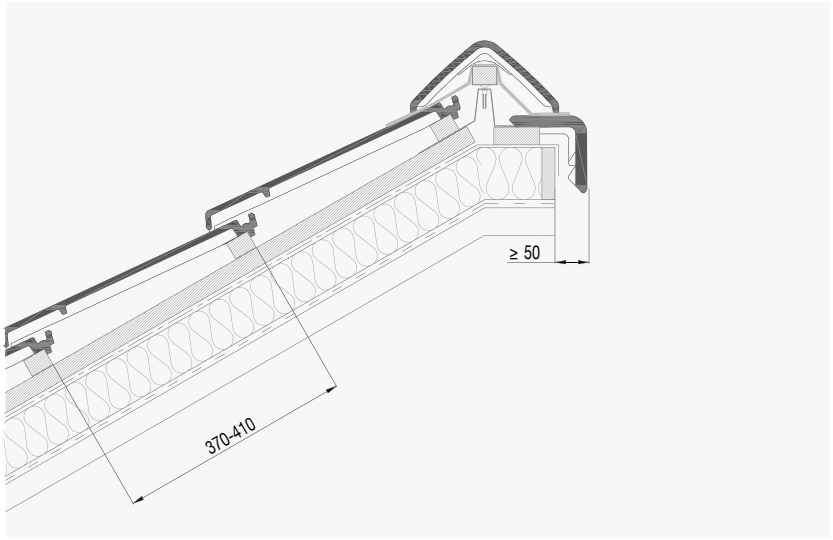
RIDGE LINE



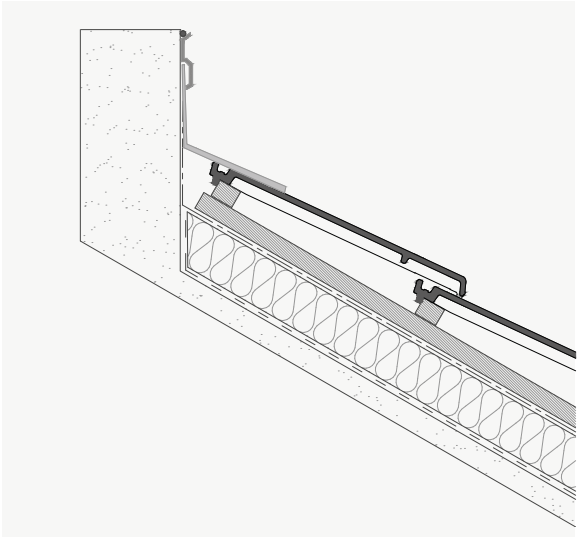
HORIZONTAL FLASHING



MONOPITCH



UPPER FLASHING



GABLES