



**1. Purpose**

This guide defined by tile 10 pieces / m<sup>2</sup>, to ensure the roofing tiles such as anti-rain, sun, wind, aesthetics and save time during construction.

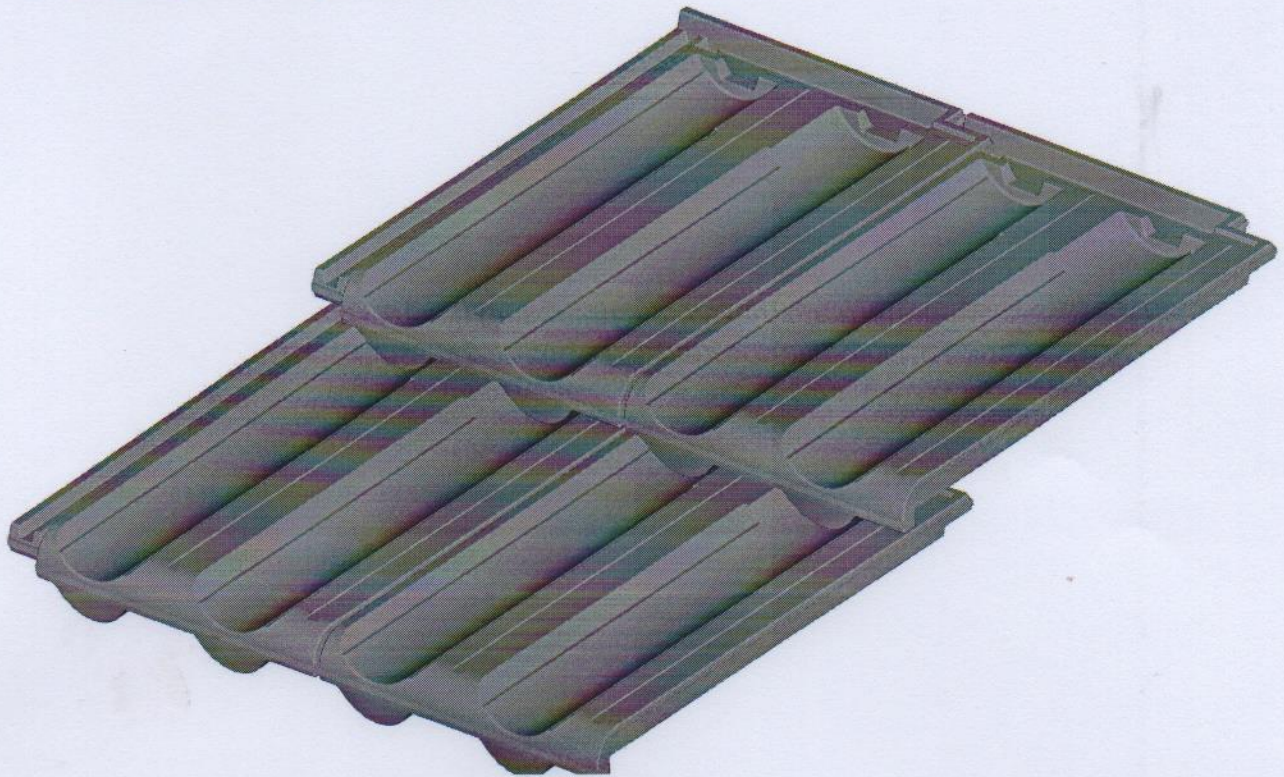
**2. Scope of application:**

This guide applies to all types of roofs.

**3. Product specifications of tiles 10.**

**3.1 Photos of tile type 10:**

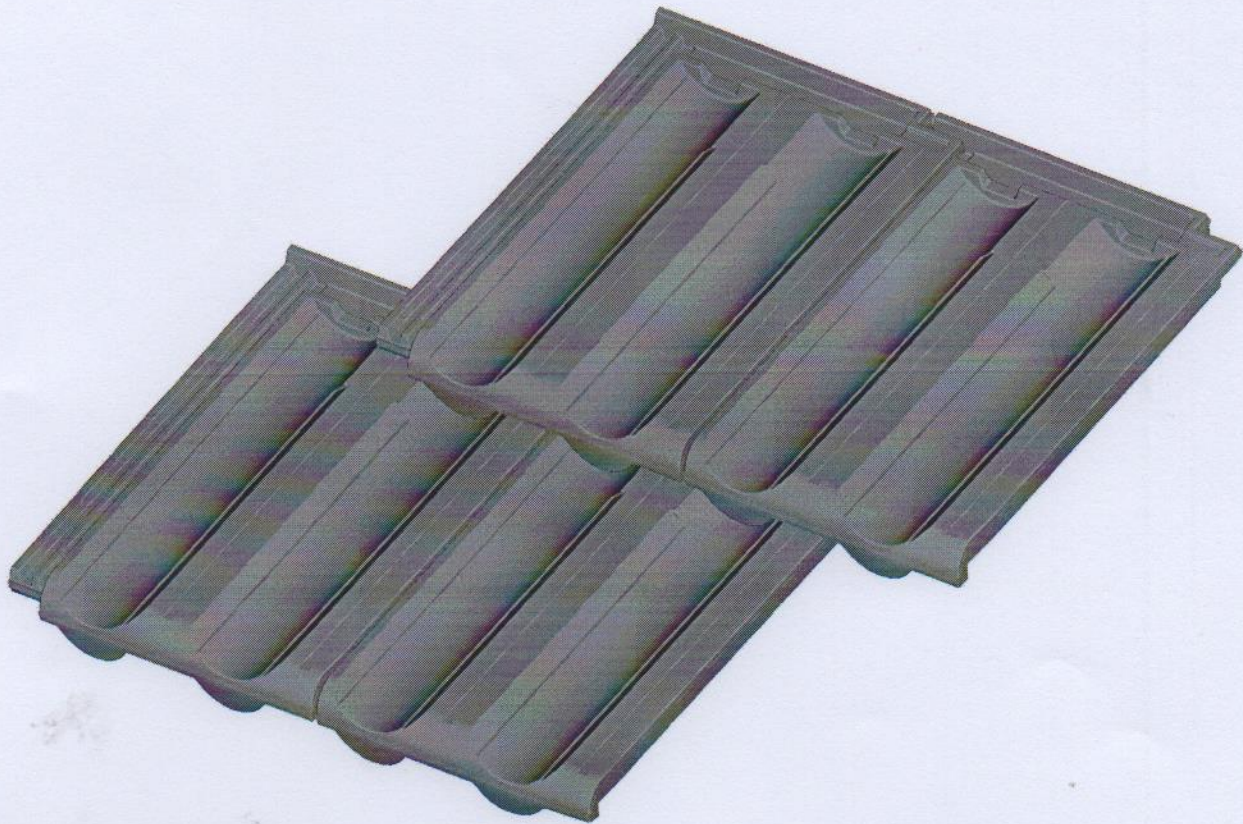
a / Roofing in a straight line style.



H1



b / Roofing in a non-linear style



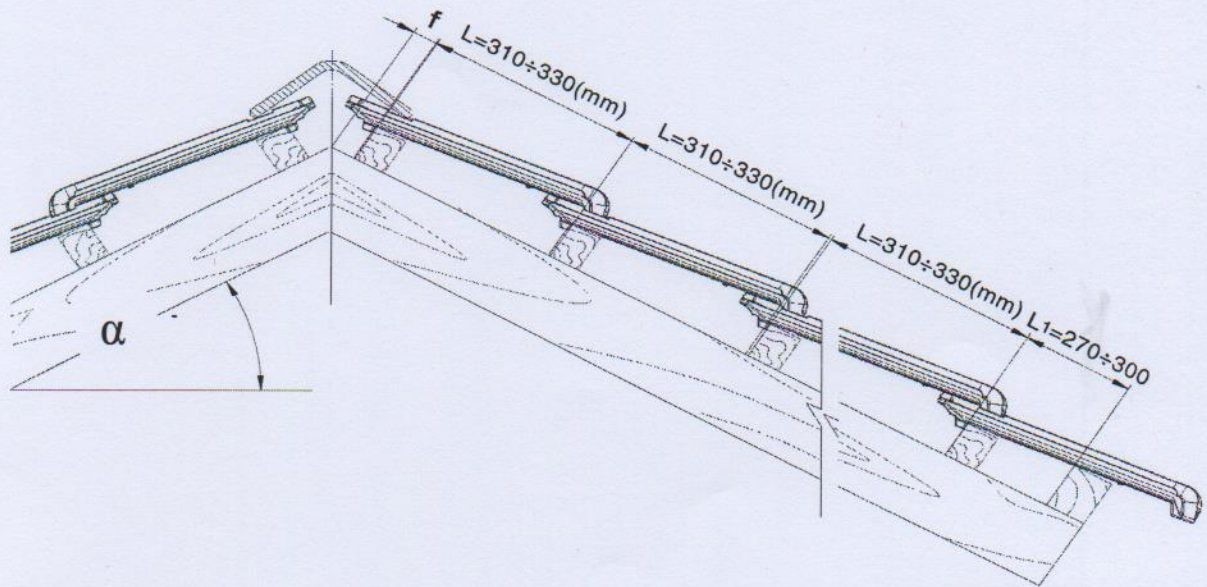
H2

### 3.2 / Specifications of tile products 10.

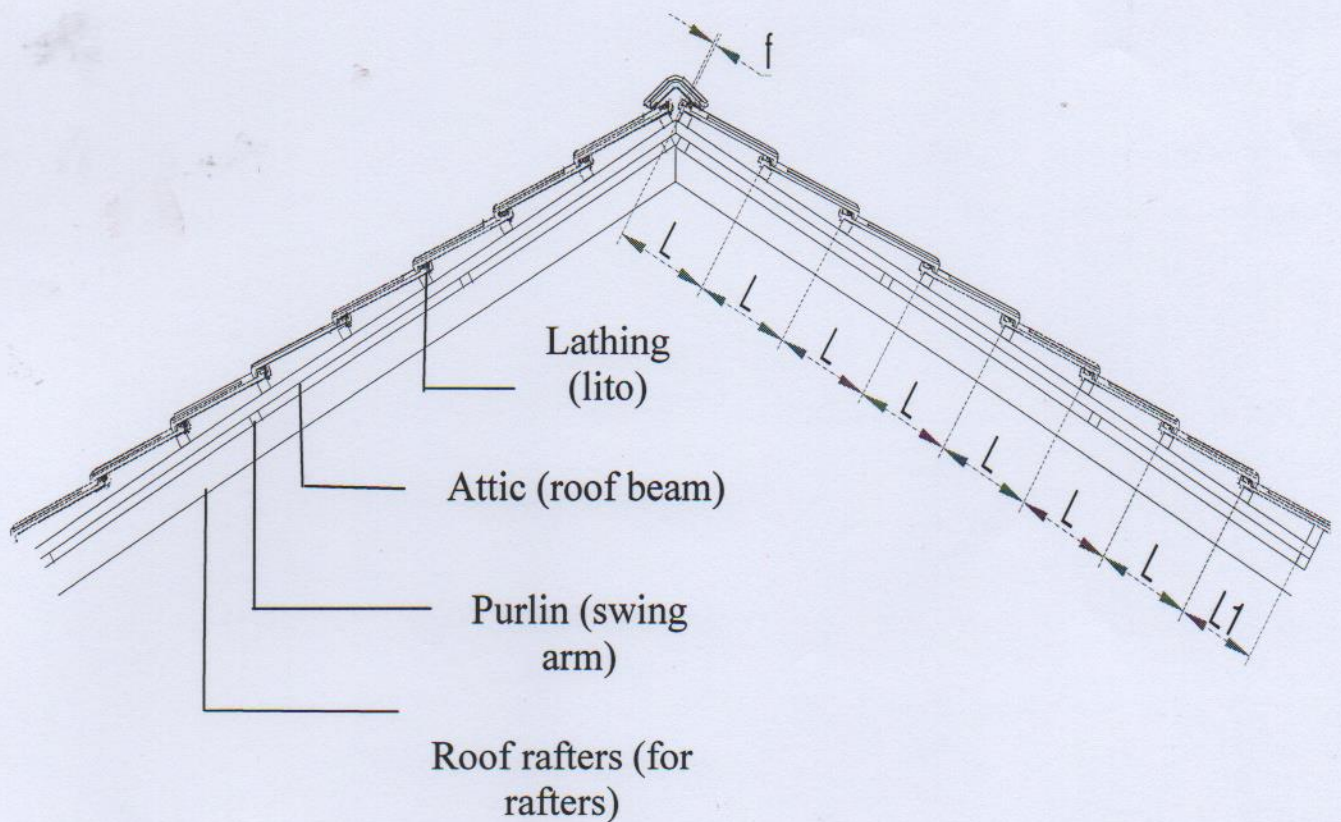
Product code	N10.2
Size (mm)	435 x 324 x 12.5
Number of tiles for 1m <sup>2</sup>	10 tiles / m <sup>2</sup>
Weight of tile	~ 3.9 kg /tile
Lath space (mm)	(310) 330
Weights per 1 m <sup>2</sup>	~ 39 kg / m <sup>2</sup>



4/ Roofing specification:  
4.1 / Illustrative image.



H3



H4



**4.2/ Roofing specification:**

Roof inclination angle:  $\alpha = 30^\circ - 70^\circ$ ; ( recommended safety slope  $\alpha = 45^\circ - 70^\circ$  )

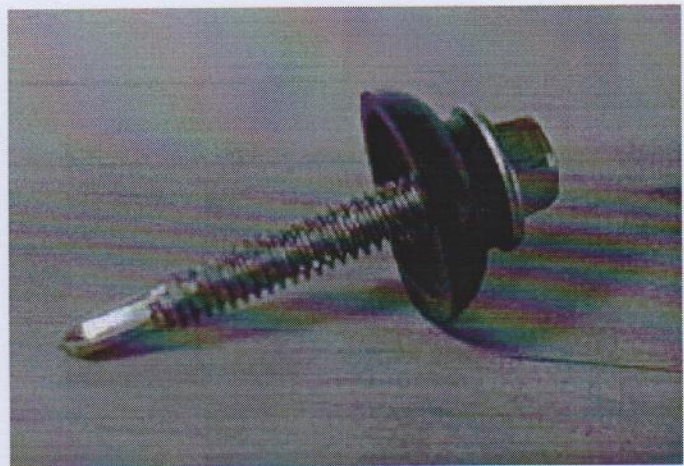
lathing distance on top of roof:  $f = 1040 \text{ mm}$ ; Roofing step:

$L = 310 - 330 \text{ mm}$ ;

Last roofing step:  $L1 = 270 - 300 \text{ mm}$ .

**5/ Tile roof:**

1. Tile from the bottom up, from the start to end, from the left to the right, the tiles fit together. The tile clings to the lathing. Tile roofs are aligned, flat according to the slope, the tip of the tile is in a straight line. The gable of each demi tile's line has been cut from whole tile, if it is tiling in non-straight line style.
2. For every 10 tiles in width, check that the horizontal (top) top and bottom end errors do not deviate by more than 2 mm, calibrating the roof tile so that the tile does not deviate from the lathing (not turn decline like fan image). Every 10 rows of tiles check the level of alignment.
3. Screwed tiles are bonded with lathing (lito), screws with a diameter of 4mm and a length of 40 mm (M4x40), suitable for lathing material. Do not screw too tightly, to avoid breaking the tile or the tails warping up to create a gap when roofing, rain and wind will be splashed with water. Screw enough force so that when parallel tiles are installed close together. Horizontal line 03 - 05 tiles should screw 1 tile, vertical line every 02 - 03 tiles catch 1 tile. The number of screw tile is more or less dependent on the weather of the area and the slope of the roof. In areas with stormy winds or with steep roofs  $\geq 45^\circ$ , the number of screws is larger. Should screw alternating rows of foot tiles, tile edge position, slot position so that the wind does not blow the tile.



Screw image for steel lathing

### NOTARY TESTIMONY

Today, Date: October 11<sup>th</sup>, 2019

At: Doan Nga Notary Office, Hanoi City.

I, Notary of Doan Nga Notary Office, Hanoi City

### CERTIFY THAT

- This translation is made from Vietnamese to English by Ms. **Nguyen Thi Nga** with ID Card No: 001181007404, issued on June 27<sup>th</sup>, 2015 by Police Bureau management registration of residence and national data on population levels, who is translation collaborator of Doan Nga Notary Office, Hanoi City
- Signature in the translation is the true signature of Ms. **Nguyen Thi Nga**
- The contents of the translation are correct, compliant with the law and not against social morality.

- Notarization No:.....

- Book No: 01TP/CC-SCC/BD

**TRANSLATOR**

(Signed)

**Nguyen Thi Nga**

**NOTARY**

(Signed and Sealed)

### LỜI CHỨNG CỦA CÔNG CHỨNG VIÊN

Hôm Nay, ngày/date: 11 / 10 / 2019

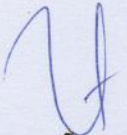
Tại : Văn phòng Công chứng Đoàn Nga, Thành phố Hà Nội.

Tôi, công chứng viên Văn phòng Công chứng Đoàn Nga , Thành phố Hà Nội.

### CHỨNG NHẬN

- Bản dịch này do bà **Nguyễn Thị Nga**. CMND/HC số:001181007404 cấp ngày 27/06/2015 do Cục cảnh sát ĐKQL cư trú và DLQG về dân cư cấp, là cộng tác viên Biên dịch tiếng Anh của Văn phòng Công chứng Đoàn Nga, thành phố Hà Nội, đã dịch từ tiếng Việt sang tiếng Anh.
- Chữ ký trong bản dịch đúng là chữ ký của bà **Nguyễn Thị Nga**
- Nội dung của bản dịch chính xác, không vi phạm pháp luật, không trái với đạo đức xã hội;
- Số công chứng .....**055013**.....
- Quyền số: 01 TP/CC-SCC/BD

**BIÊN DỊCH**

  
**Nguyễn Thị Nga**

**CÔNG CHỨNG VIÊN**



**CÔNG CHỨNG VIÊN**

*Doan Nga*