swissporTON

Verge tiles

THE VERGE CLOSURES

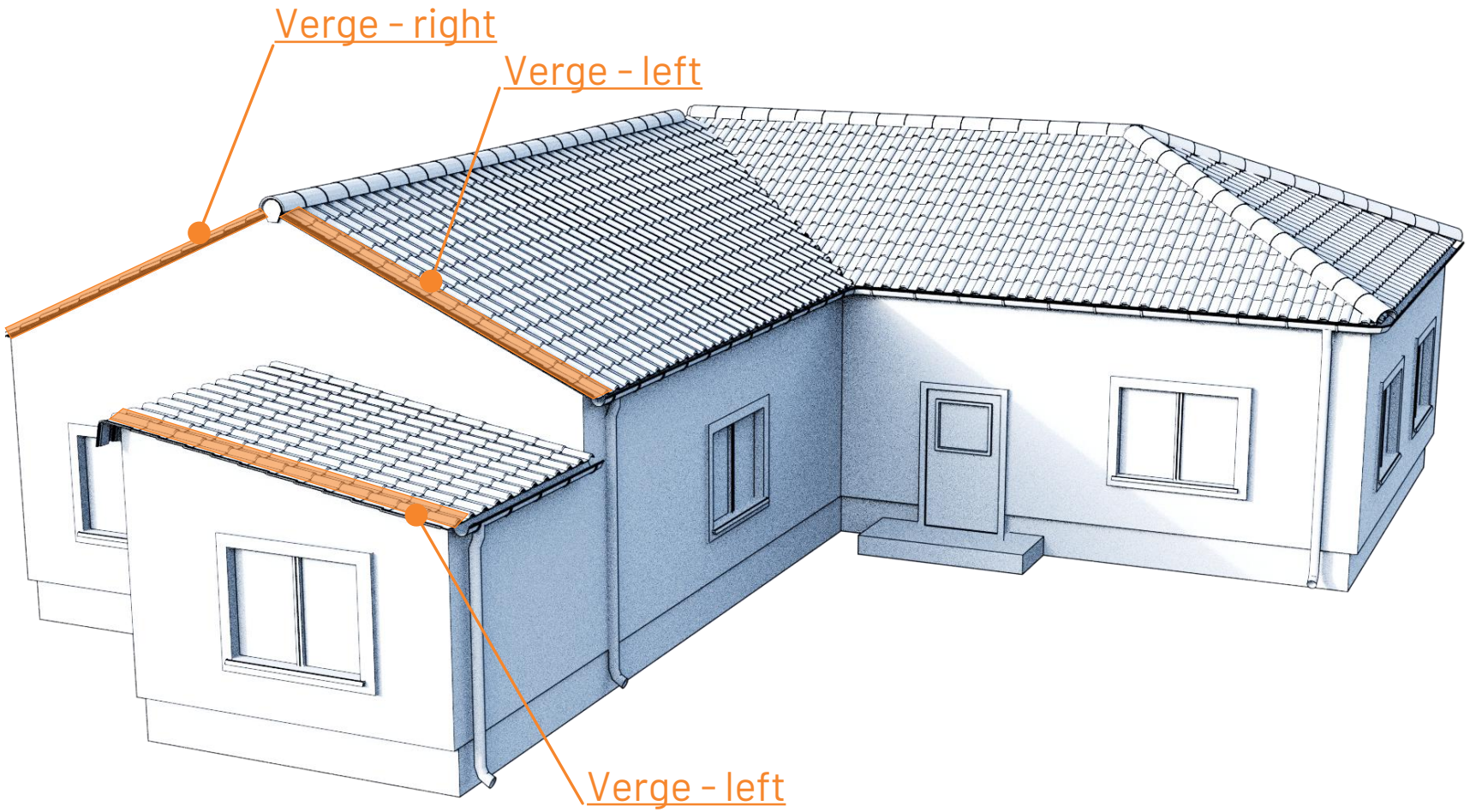
Pitched roof

Verges

The lateral closure of gable and half-gable roofs, which usually extends beyond the gable wall and is perpendicular to the eaves line (in rare cases, it can even form an angle with it).

The connection between a gable wall and a roof with a firewall design (where the firewall extends above the roof plane) is called a „half-camber” (firewall edge), the design of which requires a different design and roof accessories, which is not part of this description.

The side of the verge must be determined by standing opposite the roof surface, and thus we can speak of a **left** or **right** verges.



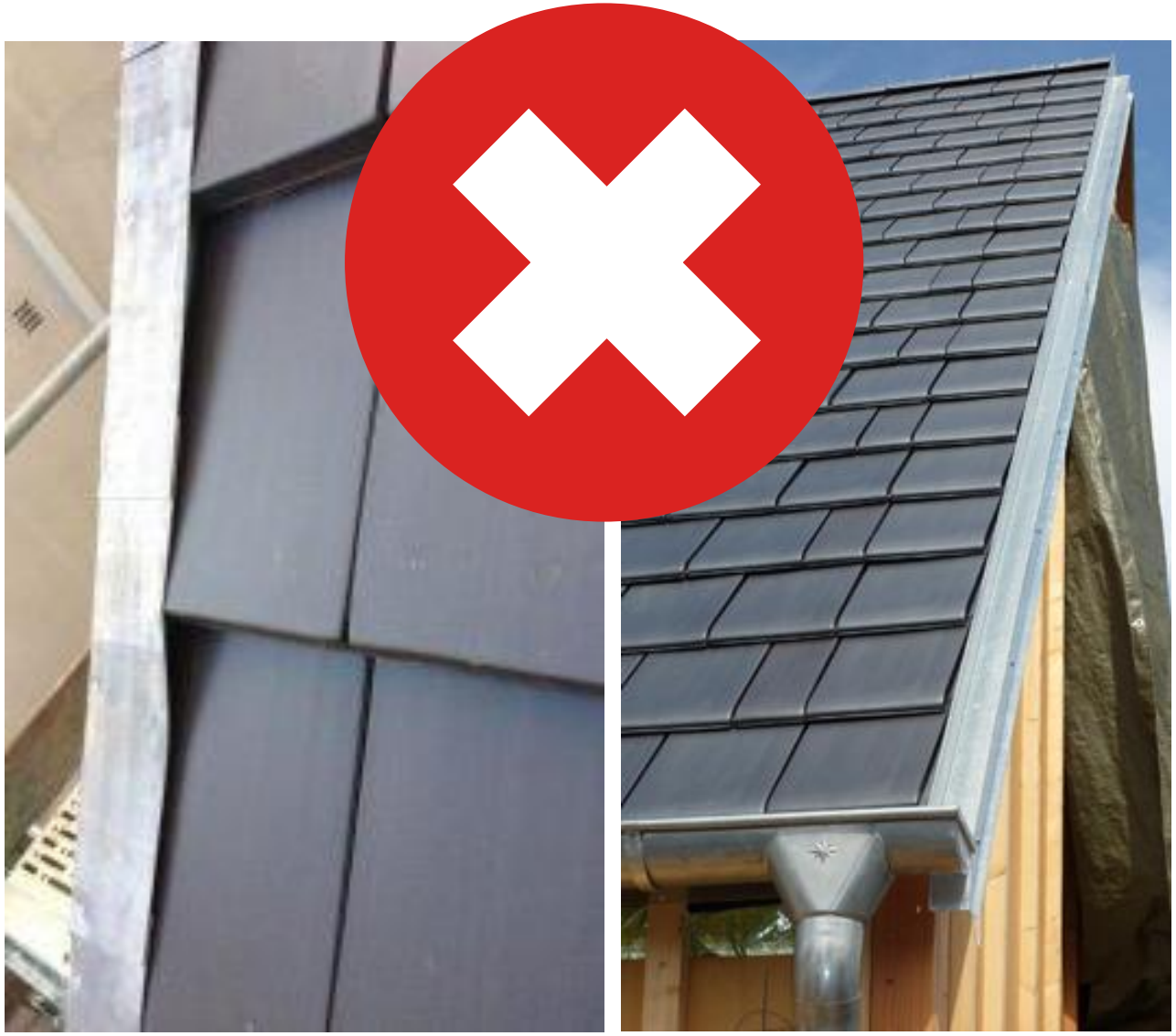
Verges

Closing the verges

The side closure of the overhanging roof surfaces has to be covered to ensure the rainproofness and protection against the effect of the winds/stroms.

It can be made with bended (or pre-fabricated) metal structures, which has the following disadvantages:

- Higher material and worktime costs
- Possible source to make error
- The rainproofness of the roof cover is compromised
- Limited lifetime
- Regular maintenance is needed
- Not aesthetic / non-homogeneous



CLAY VERGE TILES

Verge closures

Clay verge tiles

The use of the verge tiles (and the related accessories) has multiple advantages:

- Perfectly rainproof
- Homogeneous with the tile cover
- Easy and fast to install
- No need for additional maintenance
- It has the same lifetime as the base tile

The verge system is a crucial part of the protective shield which we called as roof cover.

The design of clay verge tiles may differ depending on the type of tile model, and different designs of border tiles must be used to cover the left and right gable edges.

VERGE TILES FOR INTERLOCKING TILES

Interlocking tiles

Variable covering length

The design of the side panels of the verge tiles of the interlocking models ensures that the degree of overlap can be varied. The shaping of the side plate provide the adjustable overlap.

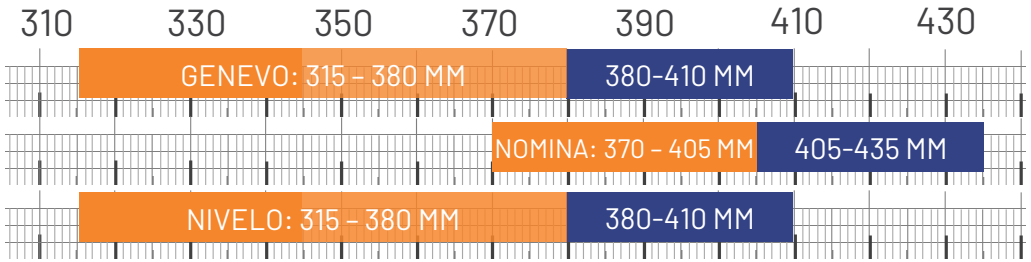
Thanks to this, the covering length of the verge tiles can be adjusted to the covering length of the base tiles.

Interlocking tiles

GENEVO, NIVELO, NOMINA verge tiles

In the GENEVO, NIVELO, NOMINA models, the covering length of the base tiles can be varied within a very wide range. The verge tiles can be installed without modification in the upper range of the covering length, but require modification in the lower ranges.

The corners must be cut (with a cutting disc or a scriber) along the perforations found on the outer upper corners of the verge tiles within the specified batten spacing range. In the case of the NIVELO and GENEVO models, there are two perforations, due to the larger coverage length range (**315-345** and **345-380**).



Interlocking tiles

Covering width

When using verge tiles, the structural width of the roof (the distance measured from the outer plane of the verge board to the outer plane of the verge board on the opposite side) depends on the tile model used and its value is fixed. The structural width (W_s) can be calculated using the following equation:

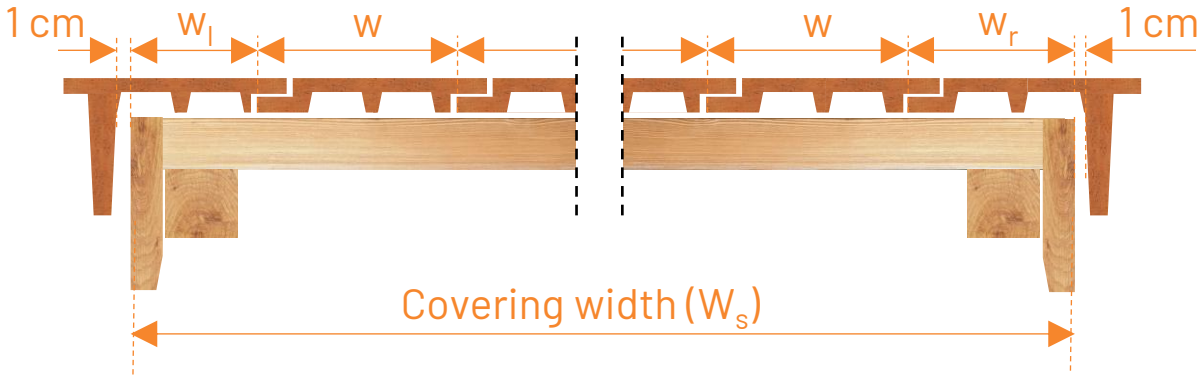
$$W_s = w_l + w(n-2) + w_r$$

w_l: left verge tile coverage width

w: covering width of the base tile

n: the number of tiles in a row, including verg tiles

w_r: right verge tile coverage width



$$W_s = w_l + w_h + w(n-3) + w_r$$

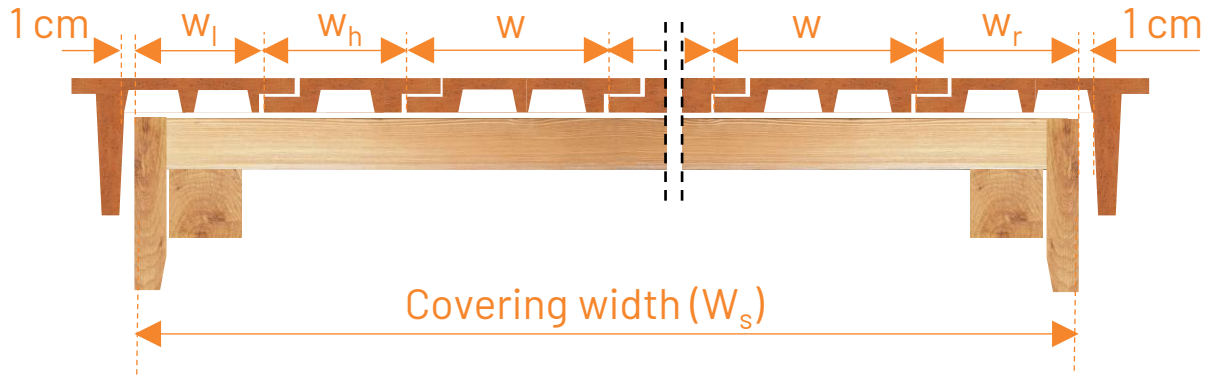
w_l: left verge tile coverage width

w_h: covering width of the half tile (if it is exist and used)

w: covering width of the base tile

n: the number of tiles in a row, including verge tiles and half tiles

w_r: right verge tile coverage width



When determining the covering width of the verge tiles, it was taken into account that a gap of approximately 1 cm must be left between the side of the verge tile and the verge board!

Interlocking tiles

Covering width

The covering widths of each tile model can be found in the table below:

	Base tile w [mm] 3	Verge tile, left w_l [mm] 1	Verge tile, right w_r [mm] 4	Half tile w_h [mm] 2
BALANCE	275	265	260	202
TITANIA	262	235	250	x
GENEVO	247	175	215	x
NOMINA	278	200	249	x
NIVELO	247	175	215	122
SIMPLA	263	191	223	132
RAPIDO	278	210	255	135
MAXIMA PRO	300	280	310	150

Interlocking tiles

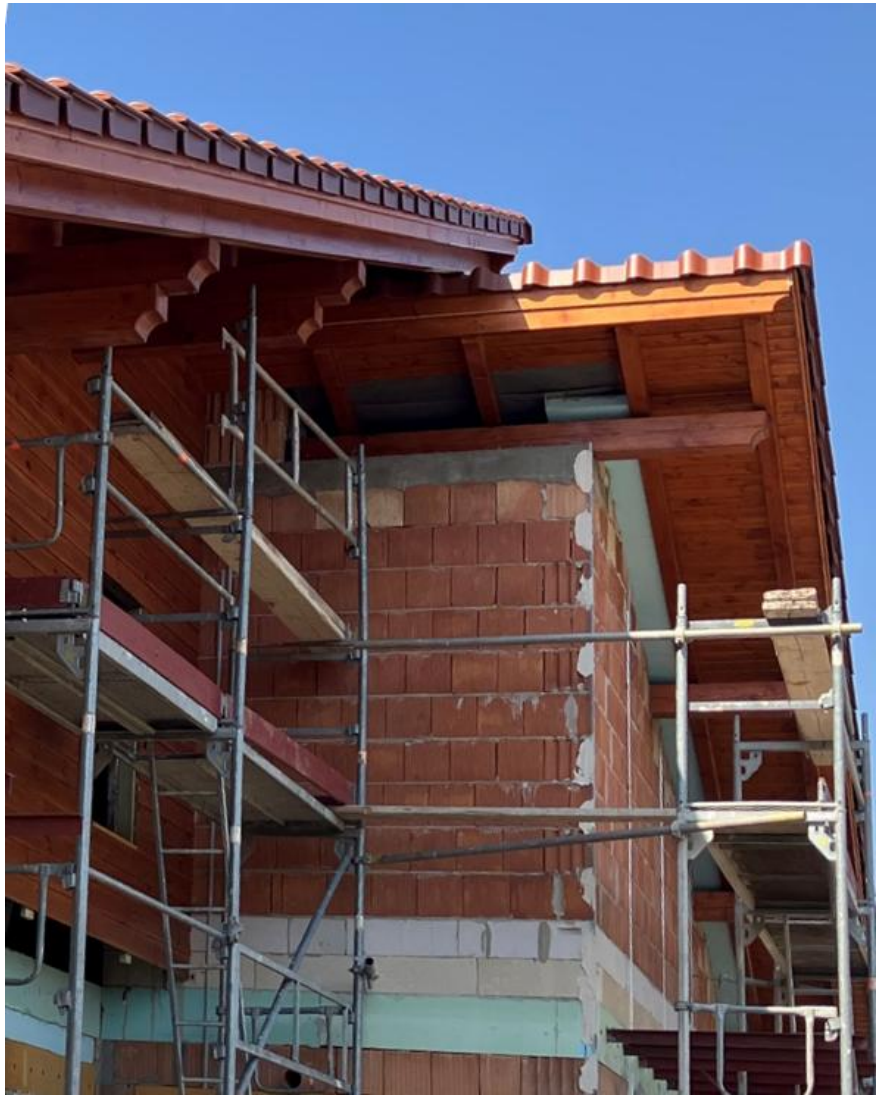
Verge tiles and accessories

Left and right verge tiles are also available for ridge connection ventilation and shed roof tiles, so that the verge edge connection of shed roof ridges and gable ridges made with ridge conn. Vent. tiles can also be created.

Verge tiles
(left/right)

Ridge connectio vent. tiles
(left/right)

Shed roof verge tile
(left/right)

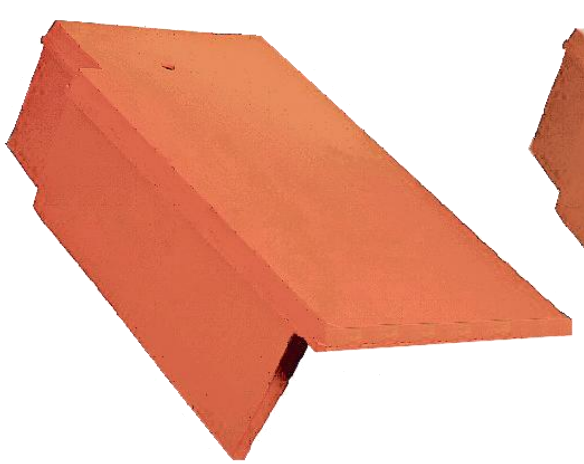


SIDE INTERLOCKING VERGE TILES

Side interlocking tiles

Variable covering length

The design of the side panels of the verge tiles ensures that the degree of overlap can be varied.
Thanks to this, the covering length of the verge tiles can be adjusted to the covering length of the base tiles.*



RÓNA straight cut
verge tile*(left/right)*

PROFIL
verge tile *(left/right)*

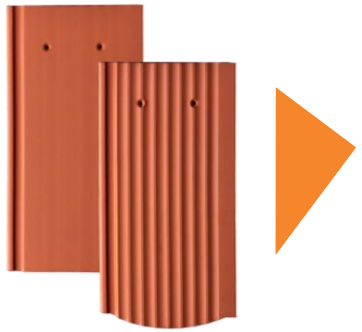
RÓNA segment cut
verge tile *(left/right)*

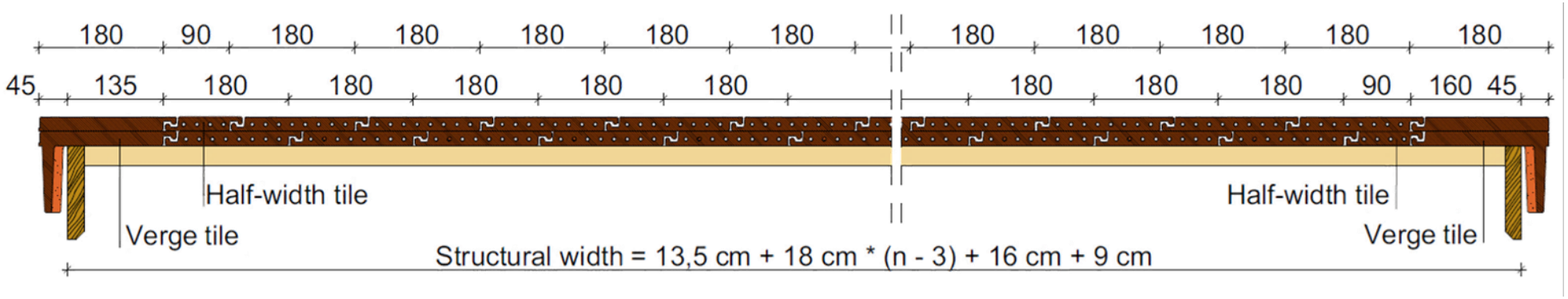
**The segment cut RÓNA verge tiles has a different design so it can be used for smaller batten distances. This verge tile design is similar like the plain verge tiles.*

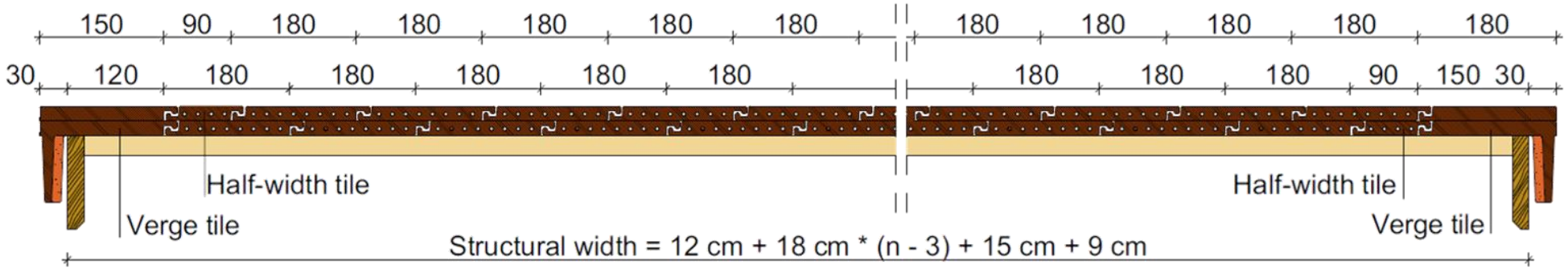
Side interlocking tiles

Covering width

The covering width of the segment-cut RÓNA verge tiles differs slightly from the covering width of the verge tiles of the other two models due to their different design, which must be taken into account when calculating the structural width of the roof.







CLAY VERGES FOR PLAIN TILES

Plain tiles

3/4 and 5/4 verge tiles

In the case of plain tiles, the 3/4 and 5/4 verge tiles can be used together to create a half-offset (binding) of the tiles. The conically tapered shape of the verge tiles allows for variable overlap.

Thanks to this, the covering length of the verge tiles can be adjusted to the covering length of the base tiles.

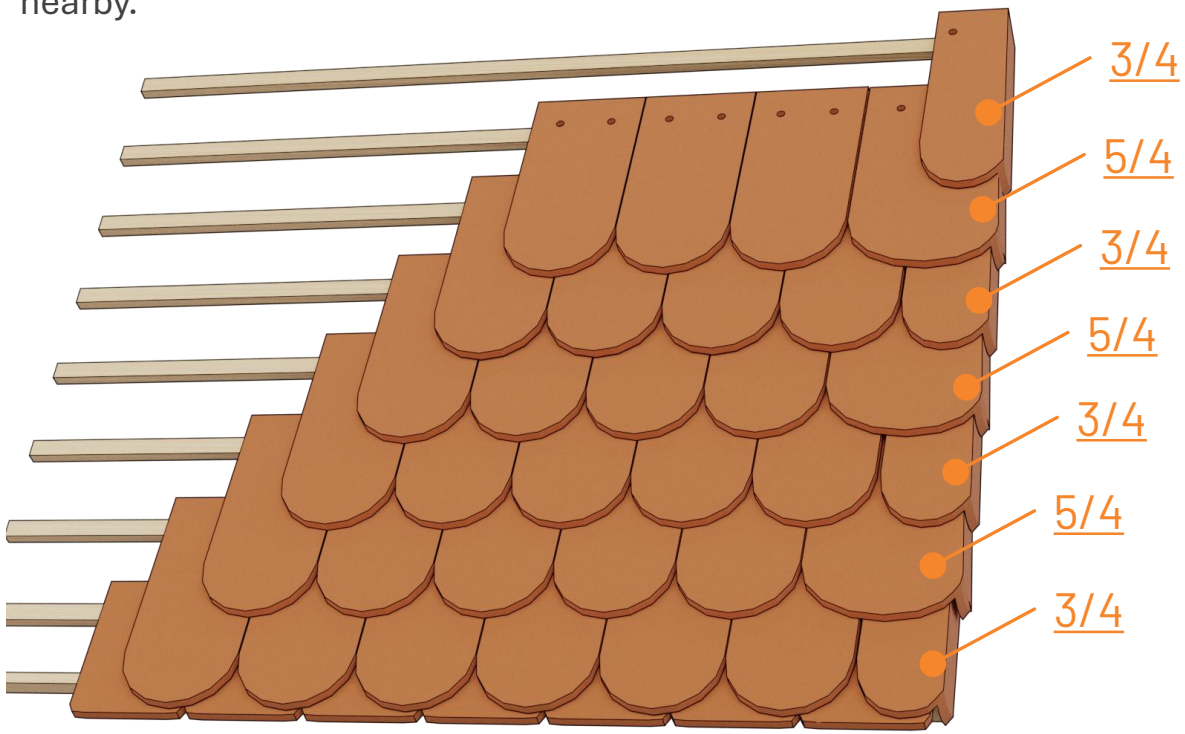
5/4 verge tile
(left/right)

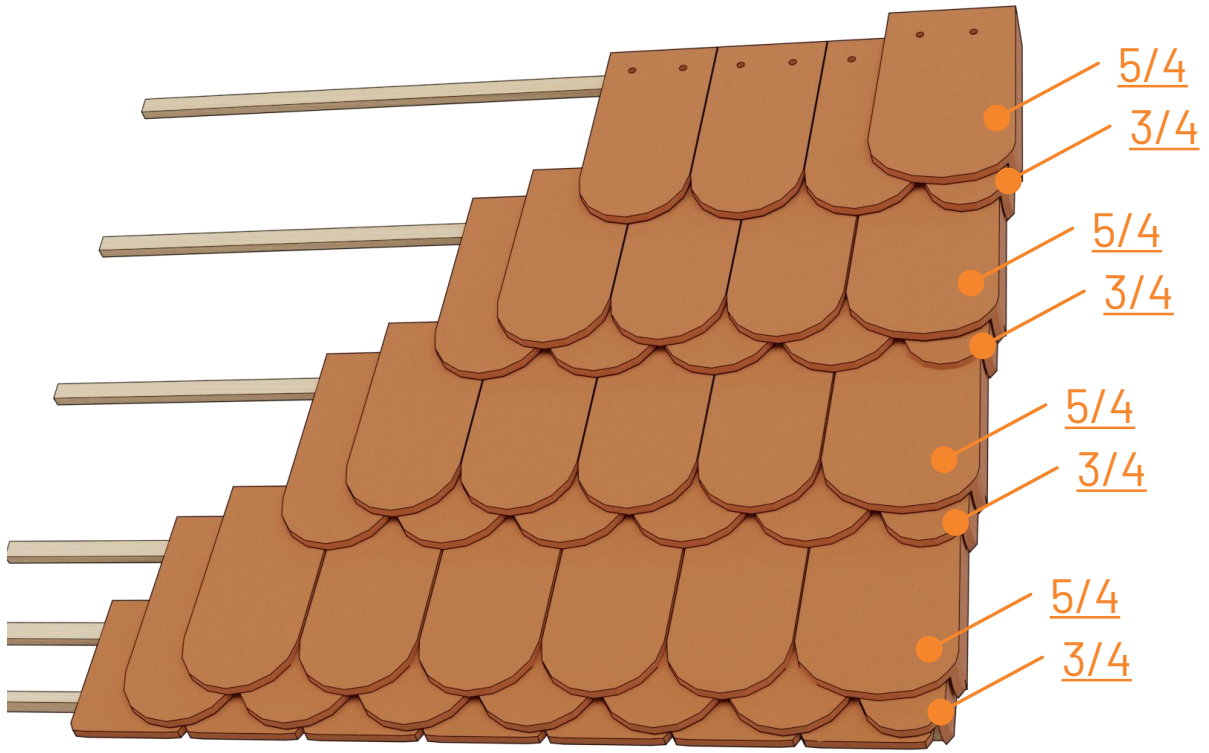
3/4 verge tile
(left/right)

Plain tiles

Crown-cover

The 3/4 and the 5/4 verge tile can be used both for double cover and for crown cover (pattern) as well. The conical shape of the verge tiles can cause a deviation in the half tile bonding, especially when the batten distance is short. This deviation can be compensated with the positioning of the base tiles nearby.





UNIQUE SELLING POINTS (USP'S)

Unique selling points

Clay verge tiles

- Perfectly rainproof
- No need for additional maintenance
- Easy and fast to install
- It has the same lifetime as the base tile
- Perfectly aesthetic and homogeneous with the tile cover

INSTALLATION GUIDES

Installation guides

Clay verge tiles

Since the verge edges of roofs are structures particularly exposed to the turbulent effects of wind, each verge edge tile and every third or every second tile in their vicinity must be secured with screws to prevent it from falling.

The photo installation instructions for the edge tiles are included in the attachment:

swissporTON_Installation_guide_Verge_tiles_2026_EN

swissporTON_Installation_guide_NOMINA_GENEVO_NIVELO_Verge_tile_2026_EN

swissporTON_Installation_guide_Plain_verge_tiles_2026_EN

swissporton

THE ONLY WRONG QUESTION IS THE ONE WE DIDN'T ASK!