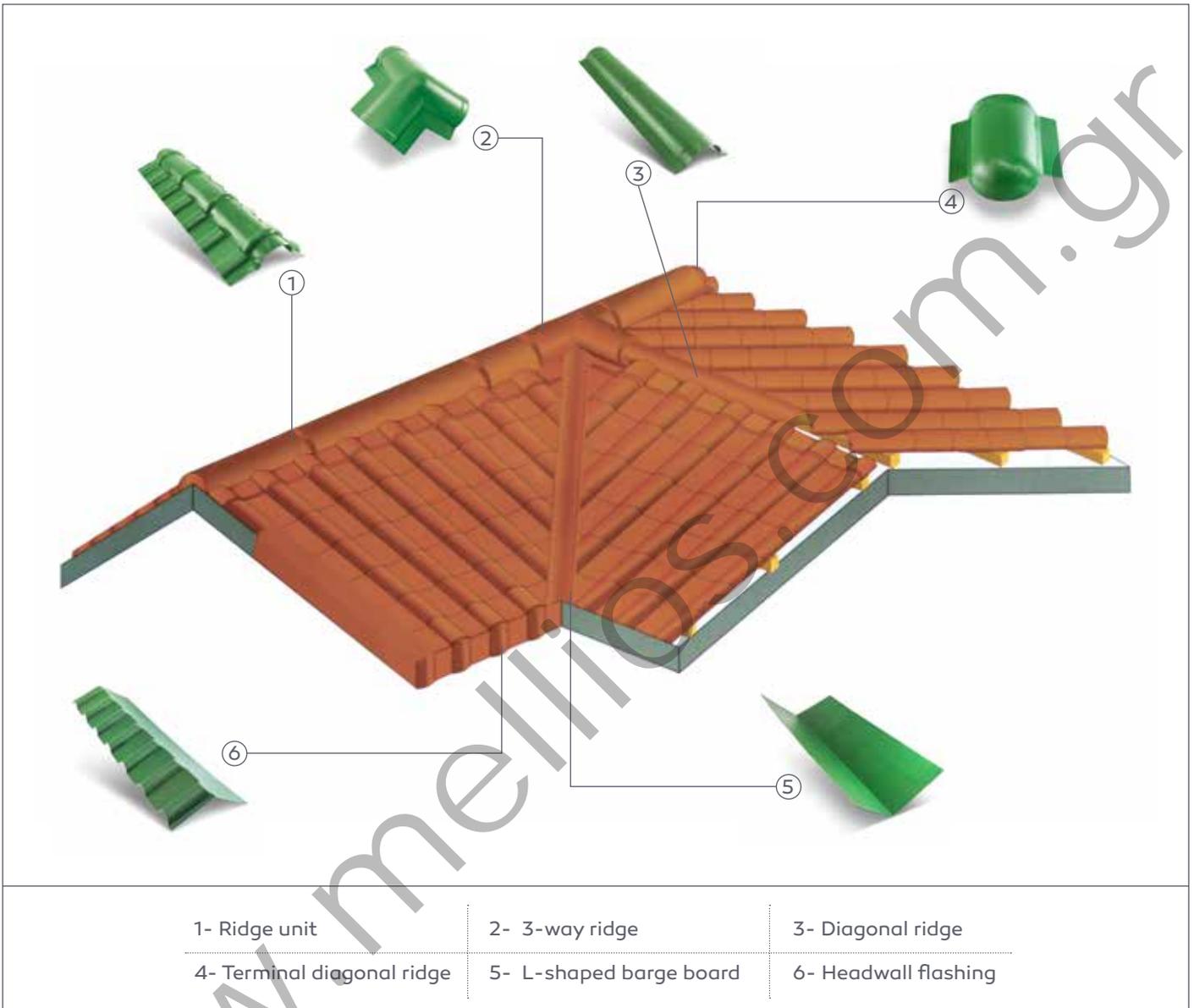


The logo for DURAMIT PVC ROOF TILE. The word "DURAMIT" is in a bold, blue, sans-serif font. A red graphic of a roof tile is positioned between the "A" and "M". Below "DURAMIT", the words "PVC ROOF TILE" are written in a smaller, red, sans-serif font.

**DURAMIT**  
PVC ROOF TILE

The text "PVC ROOF TILE" is centered in a white, sans-serif font against a blue background. A large, diagonal watermark "www.mellios.com.gr" is overlaid across the entire page.

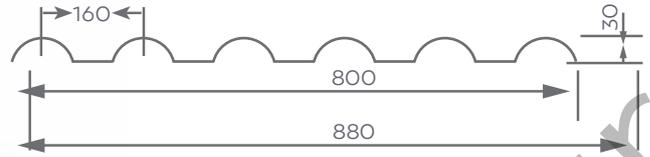
PVC ROOF TILE



## PRODUCT INFORMATION

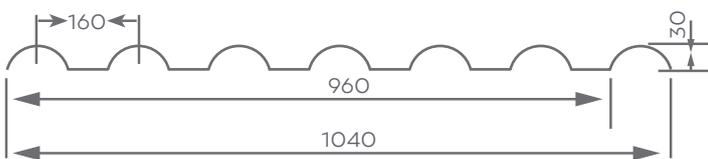
ASA coated DURAMIT PVC Roof Tile are manufactured with coextrusion technology and are special roof coating sheets with 2-layers. As a top layer material ASA anti-climate coating is highly suitable for outdoor usage. ASA coated products preserve their colors and physical qualities for long years even when subject to UV rays, humidity, hot and cold weather conditions (hail, rain, snow, frost, etc.). They perform highly against corrosion. These products have numerous physical and visual advantages when compared to traditional roof covering. Due to its special performance DURAMIT PVC Roof Tile are suitable for usage in all kinds of applications and detail solutions in the construction sector primarily in both industrial and residential applications.

	<p><b>COLOR GUARANTEE</b></p> <p>DURAMIT PVC Roof Tile is protected by ASA and research has shown that the color quality is preserved for over 20 years.</p>
	<p><b>ANTI-CORROSION</b></p> <p>DURAMIT PVC Roof Tile is totally anti-corrosion and can last for long years without being destroyed by chemicals like acids, alkali and salt along with industrial emissions.</p>
	<p><b>SOUND INSULATION</b></p> <p>DURAMIT PVC Roof Tiles' physical qualities have a superior performance in sound insulation which are 10%-15%.</p>
	<p><b>ELECTRICITY INSULATION</b></p> <p>Due to its structure DURAMIT PVC Roof Tile is not conductive.</p>
	<p><b>RESISTANCE TO HIGH AND LOW TEMPERATURES</b></p> <p>Due to its manufacturing technology, DURAMIT PVC Roof Tile is usable in between a larger range of temperatures. These sheets preserve their physical qualities between -40 and 90 C. Thanks to its polymer structure snow and ice can't stay on it for long.</p>
	<p><b>FIRE CLASS</b></p> <p>DURAMIT PVC Roof Tile is of B1 incombustibility class.</p>
	<p><b>WEIGHT</b></p> <p>DURAMIT PVC Roof Tile is 10 times lighter compared to the clay sheet (4,50 kg/m).</p>
	<p><b>HYGIENE</b></p> <p>Due to the lotus effect, DURAMIT PVC Roof Tile is self-cleaning with precipitation, it is dirt-free, hygienic. It is antibacterial.</p>
	<p><b>ENVIRONMENT</b></p> <p>DURAMIT PVC Roof Tile is 100% recyclable thus environmentally friendly.</p>



### DURAMIT 880

Standard Tile Length	: 2200 mm / 6160 mm
Width	: 880 mm
Working Width	: 800 mm
Wave Length	: 219 mm
Length	: Optional
Purlin Space	: 750 mm
Thickness	: 2.5 mm, 3.0 mm



### DURAMIT 1040

Standard Tile Length	: 2200 mm/6160 mm
Width	: 1040 mm
Working Width	: 960 mm
Wave Length	: 219 mm
Length	: Optional
Purlin Space	: 750 mm
Thickness	: 2.5 mm, 3.0 mm

**DURAMIT ACCESSORIES**



**DURAMIT PVC ROOF TILE STANDARD COLORS**



Red



Grey



Blue



Tile Red



Green

*Colors in the catalogue may differ from the real colors due to the differences in printing.*



### WOODEN ROOFS

The surface should be smooth, the top coating (OSB, etc.) material, even though it depends on the purlin space, should be thicker than 11 mm.



### STEEL CONSTRUCTION

The angles of the steel construction should be controlled throughout the procedure since it effects the pitch of the roof. Divergence angles will result in an uneven roof.



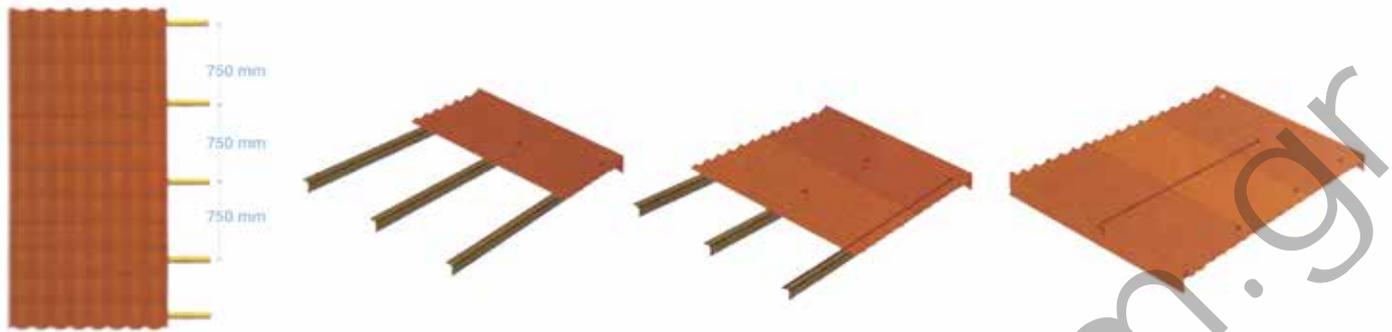
### REINFORCED CONCRETE CONSTRUCTION

Although concrete surface is not vital with regard to the evenness of the the roof, the purlin and the material in between should all be placed so that they are all level, measured and on the same shaft.

Both steel and wooden purlins and the material in between should be treated against corrosion in order to increase the lifespan of the roof structure.

Steel purlins should be welded into the material in between and the wooden purlins should be fixed directly to the wooden material in the middle.

## APPLICATION OF DURAMIT PVC ROOF TILES



Regardless of the type of roof, alignment is crucial. This is the only way it can be assembled closely and properly. For saddle roof, vertical line should be 50-70mm away from the inner part of the side wall, the horizontal line, on the other hand, should be 150mm away the lower purlin.

Place the first sheet as close to the construction line as possible, depending on the undercarriage, fix it on the first shingle of the vertical line. The first line should, by no means, have any holes in it.

The fixation components should be assembled above the pitch of the sheets.

Utmost care should be shown to the alignment of the first row. This is because in long sheets, even a misalignment of several mm will cause problems.

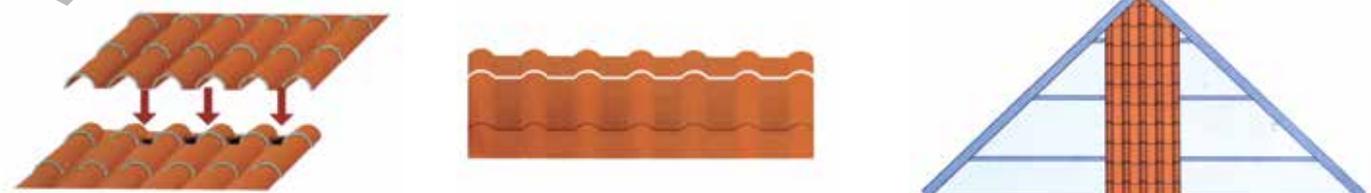


For the second row, just like in others, we would recommend to start with the left side of a longitudinally cut sheet.

Thereby, the rows diagonally placed on won't overlap with the four sheets on the right side.

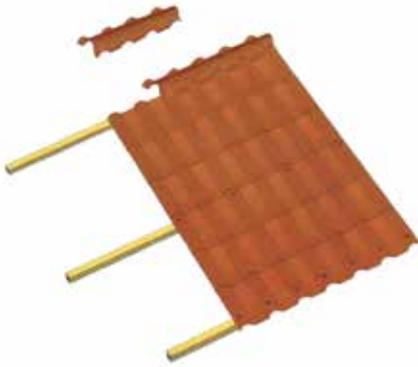
Pre-cut and leftover places won't be wasted, they could be used for arrangements at the end of the roof.

Finish off the other side in the same manner. In order to assemble the top ridge, align the horizontal tile rows on the other side with the first horizontal tile row.



### **ATTENTION!**

For the triangle part of the four-way inclined hipped roof, the first plate should start off in the middle and then should move on to the corners from the two sides.



### TOP RIDGE PLACEMENT

The placement of the top ridge accessory should start from one side.

The first ridge should be cut in half to avoid overlapping of four sheets where the DURAMIT PVC Roof Tiles are one over the other.

The ridge accessory should be assembled on top of the main PVC roof tile with self-tapping screws.



### CORNER RIDGE

During its placement, the corner ridge should be aligned with the center line. The pre-formed corners should be fixed to the PVC roof tile cover with 75mm in length and 6.3 mm in diameter self-tapping screws. The corner ridge should be placed top-down by placing 50mm of the parts over one another.



### 3-WAY RIDGE

In a four-way inclined roof, a 3-way ridge is utilized as a connective element in between a flat ridge and a corner ridge.

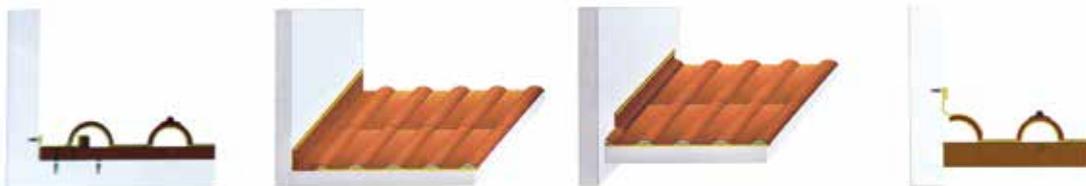


### INNER ROOF BARGE

A corner formed by two converging inclinations is called a barge. Place and fix two parallel strips from the center of the corner to the barge corner 240mm away. Fix the PVC roof tile or metal barge gutter with self-tapping screws or nails to the roofs.

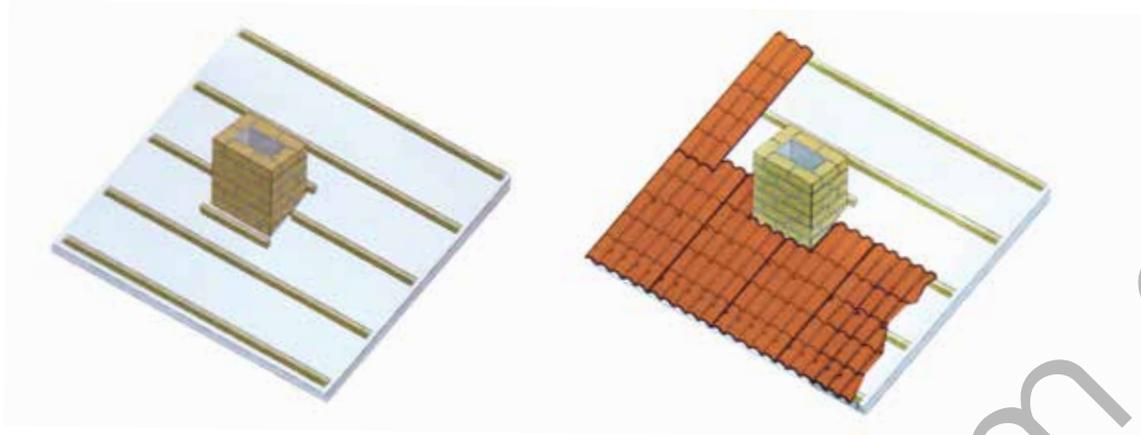
Starting from the ridge lines, put the roll carefully on the plate and place it on the corner. Fix it on the end points on the strips with self-tapping screws.

In order to achieve a straight barge line, plates that coincide with the barge lines should be shaped in order to allow them to be removed after they are fixed.



### WALL FINISHING DETAIL

By utilizing PVC roof tiles hemline, fix the hemline to the walls and shingles with self-tapping screws or nails.



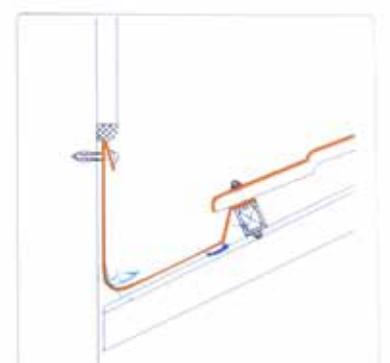
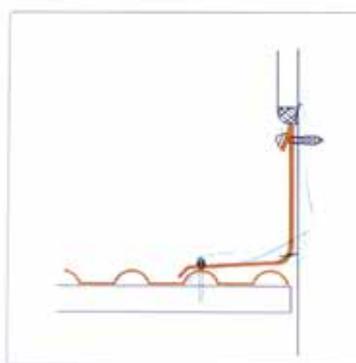
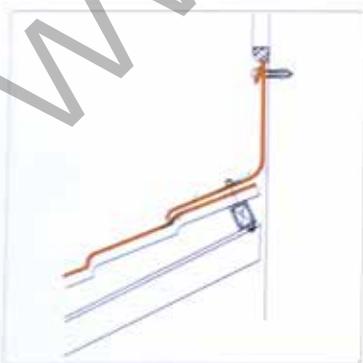
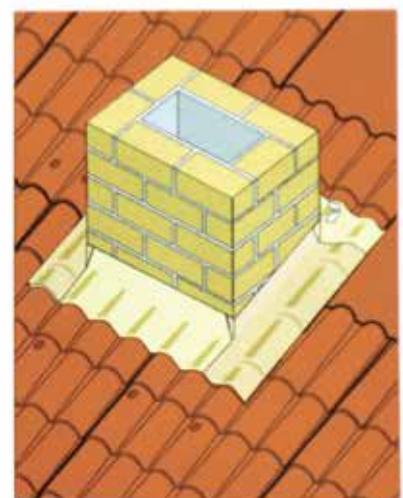
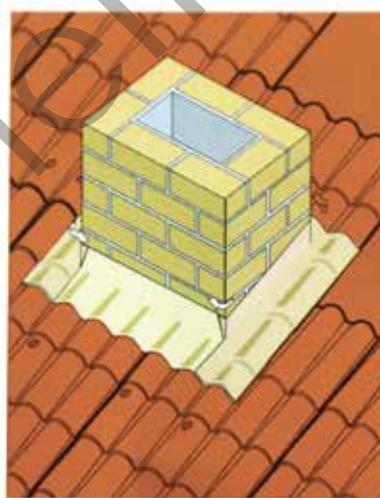
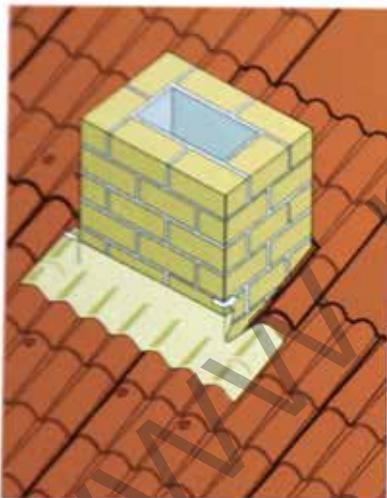
### PIPE JUNCTION DETAIL

Assemble the sheets all the way to the pipe, just like always. Cut the plates around the pipe accordingly. Add purlins to fixate the roof sheets, when necessary.

By utilizing PVC panel sheets or a diagonal wall hemline, fix the hemline to the wall and sheets with self-tapping screws or nails. Insulate from the upper end of the hemline with silicon sealing material (see the shapes above).

Since the roof inclinations and pipe positionings are variable for different roofs, it is recommended that the hemlines are processed with metal plates.

Alluminium galvanized rolls can also be used for shingle and pipe junctions. Attach rolls on all the plates around the pipe. Fix the other end of the rolls to the pipe with a nail and cover up the upper end.



## ROOF EXIT WINDOW JUNCTION

The sheets should be assembled up to the roof exit window like always.

Measure the roof exit window, with the use of a fine-toothed saw open up a hole with these exact measurements.

Place the upper hinge over the tile for lower junction and shape the place with your hands for a snug fit.

Then place the shaped plate at a position that will fit the diagonal and upper junctions and semi-overlap with the end points of the lower elements and the front hinges of the lower part of the window.



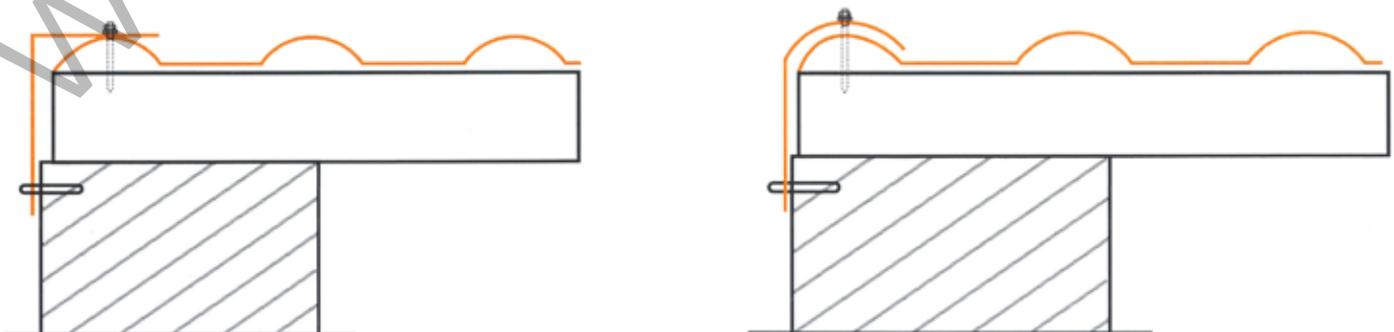
## RIDGE FINISHING, TERMINAL RIDGE FACADE

Following the assemble of the corner ridge, finishing ridge is placed on the lower end of the corner ridge and is fixed to the corner ridge with smart screws.

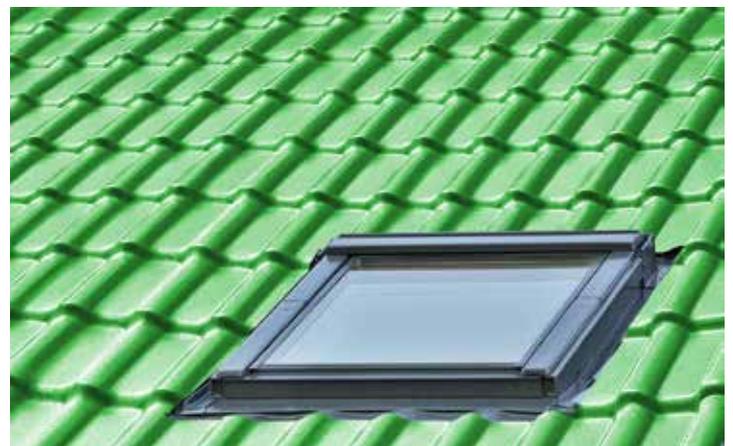


## BARGE BOARD

After the assembling of the main tiles cover, fix the barge board to the last tiles row with the connection elements you have obtained.



ROOF SAMPLES





**DURAMIT**  
PVC ROOF TILE

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