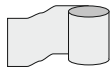
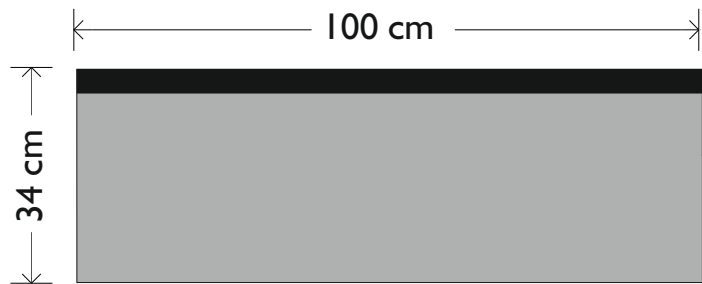


COMPACT CLIP



COMPACT STRIP



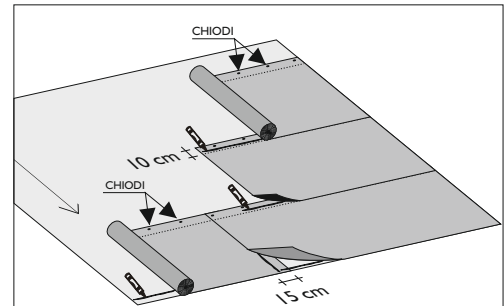
## INTRODUCTION

The easy and correct installation of asphalt shingles depends entirely on the roof deck being smooth, continuous, clean, and dry .

The roof deck can be built with wood materials (such as Tegodeck, seasoned tongue or groove planks , plywood, etc.) properly supported.

## PRELIMINARY OPERATIONS

On wooden substrates it is good practice to apply a bituminous underlayer membrane, also self-adhesive, such as «Safety» or «Startbar» following the procedures described on the side. It is necessary to glue and fix with nails under the overlap of the sheets.



## MARKING OUT THE ROOF

- Mark a line xy orthogonal to the direction of maximum slope of the roof (usually parallel to the eaves and to the gutter and at 32-34 cm from the gutter) ;
- Mark along the line xy a point A in the centre of the pitch ;
- Mark points B e C, at either side from A (for example at 150 cm);
- Starting from B and C by using a chalk line as a compass, mark point D as near as possible to the Ridge.
- Join A with D;
- Starting from the line AD mark parallel lines on both sides at a distance of 50 cm (z), till completion of the whole slope;
- Starting from the line xy, mark horizontal and parallel lines to the line xy, at a distance of 29 cm from each other up to the ridge (fig 1);

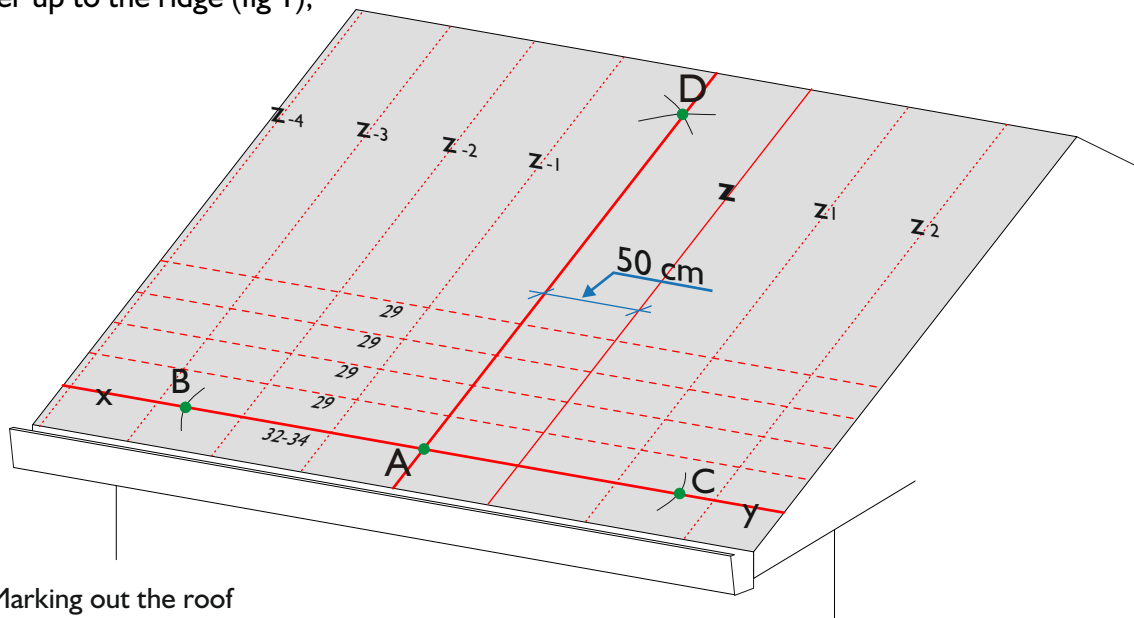


Fig. 1 - Marking out the roof

- Apply a line of bituminous mastic “Bitustick” along the eaves (Fig. 2).
- For a correct installation all the shingles should be gently manually curved.
- The first row starts by aligning the first PRESTIGE ULTIMETAL shingle along the line AD (Fig. 4) and nail as shown in picture 5.
- Before the installation of the second row of shingles remove the protection of the self adhesive fascia (Fig. 4), and cut pieces of 34 cm of “Compact Strip” (Fig. 7) which will be installed at the center of the joints of the shingles (Fig. 6), taking care to press them down for a perfect adhesion. Don't remove the white film on the top side of the “Compact strip”.

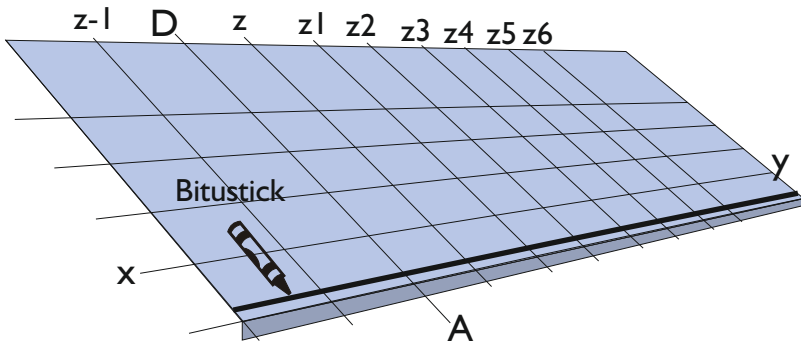


Fig. 2 - Bitustik

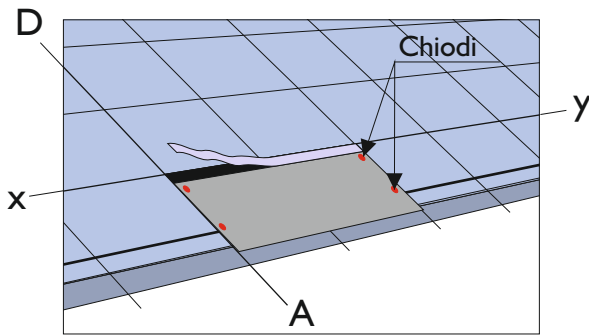


Fig. 4 - Installation of the first shingle Compact

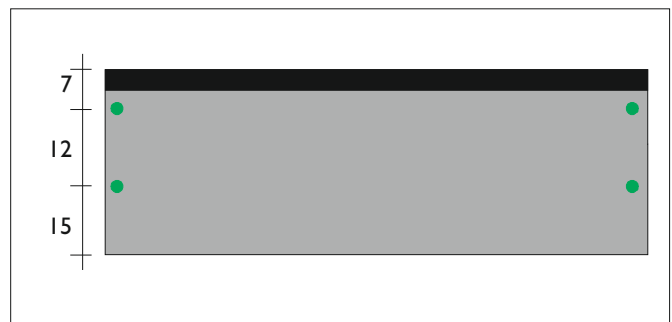


Fig. 5 - How to nail the first row of shingles

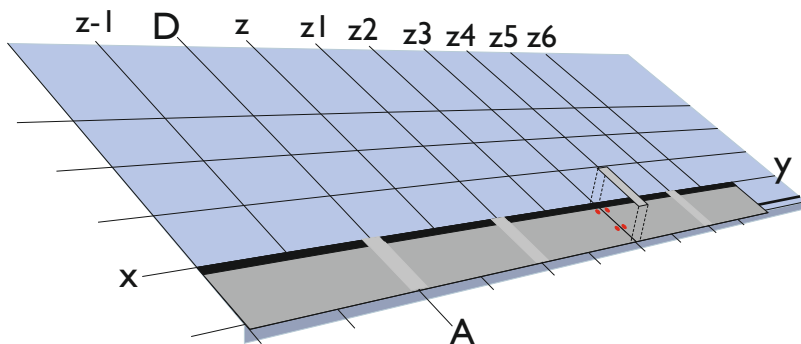


Fig. 6 - Installation of Compact Strip

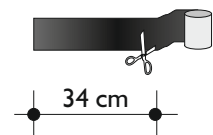


Fig. 7 - to cut of “Compact Strip”

- Install the " Compact Clip" aligning the central notch on the line AD and nailing it into the proper holes (Fig. 8).
- The second row starts by aligning PRESTIGE ULTIMETAL shingle along the line z (Fig. 9) then nail;
- remove the protection of the self adhesive fascia and install the "Compact Strip" (Fig. 9);
- Press the "Compact Strip" down, cover the sealed joint with Ultimetal Clip (Fig. 10) and fix it by placing nails in the proper holes.
- Repeat this installation method until all pitches are completed.

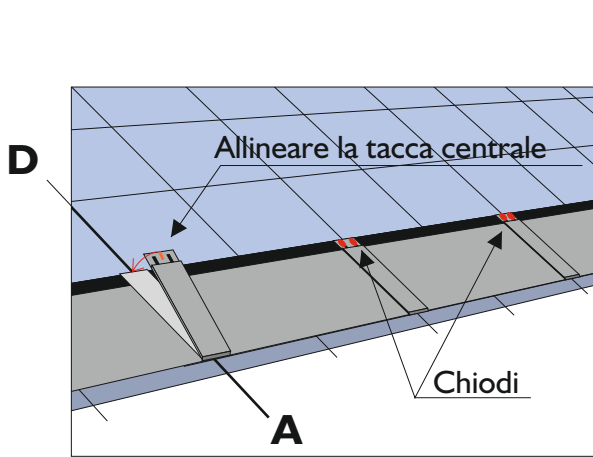


Fig. 8 - Installation of Ultimetal Clip

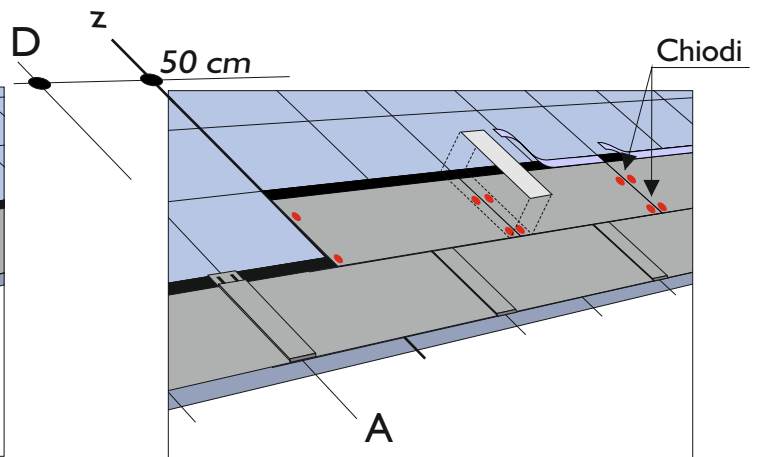


Fig. 9 - Second row of shingles

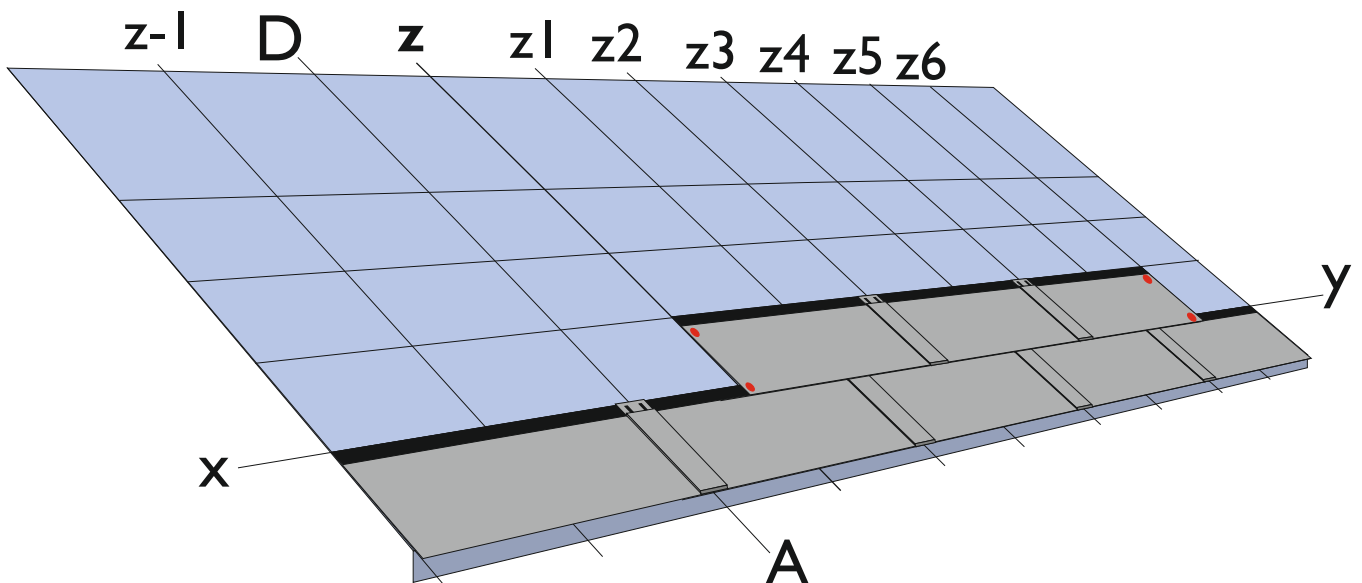


Fig. 10 - Installation of the Ultimetal Clip

**SLOPES**

Minimum slope for the installation of the shingles with nails is 35% (19 degrees)

For roofs in the mountainside or with a pitch longer than 7,00 ml, please visit our web site or contact our Customer Service. For pitch lengths up to 10 m, the reference slope generally rises to 40% (22 °).

**FIXING WITH NAILS**

Use large headed roofing nails for the roof , stainless steel with high adherence, with a length suitable to the thickness and type of roof deck (minimum length 25 mm).

Apply 6 steel nails AISI 304 on each bituminous shingle, ULTIMETAL, positioned exactly as shown in Fig. 11.

The 2 nails fixed at the lower part of the shingles must be positioned in such a manner as to simultaneously nail the shingles underneath. The 2 nails (marked in red) are applied with the installation of "Ultimetel Clip".

N.B.: For slopes exceeding 160% (60 degrees) apply 8 nails position as shown in Fig. 12.



Fig. 11

"Compact Strip-Clip"



Fig. 12

**RIDGES**

Install ULTIMETAL shingles on both sides of the roof till the ridge line and cut the shingle which overshoot the ridge.

Waterproof the ridge, installing over the ridge TOP ROLL, a self adhesive membrane. Remove the protection on the reverse side (Fig. 12).

Fix the ridge tile with 2 nails 35 mm length see picture 13-14. Once the ridge has been fixed, remove the protection film from the ridge tile.

Repeat this installation method until all ridges are put down.

The exposure of the ridge shingles is 25 cm (Fig. 14).

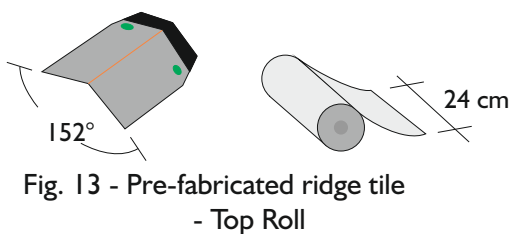


Fig. 13 - Pre-fabricated ridge tile - Top Roll

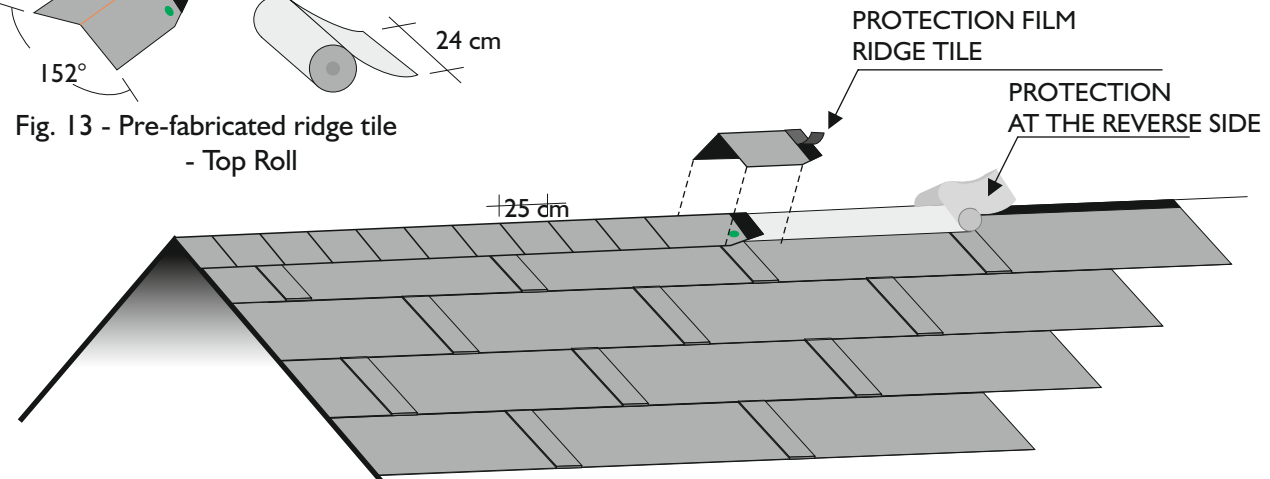


Fig. 14 - installation of the ridge tiles

**VALLEYS**

First on the valley (fig. 17) or apply a self-adhesive bituminous membrane or apply a bituminous membrane by flame. Second at the center of the valley lay a metal flashing (fig. 15), then mark the roof. At 10 cm from the center line of the valley apply a line of Bitustick mastic (Fig. 17). Install the shingles and, in the valley, cut them to former 3 cm of space at the center of the valley (Fig. 17). Nails should not be used within at least 40 cm of the center line. Remove the edge of the shingles in the valley (Fig. 18). Near the axis of the valley, glue the shingles together with Bitustick. Always avoid nailing in the metal valley.

Fig. 15 - Flashing (example)

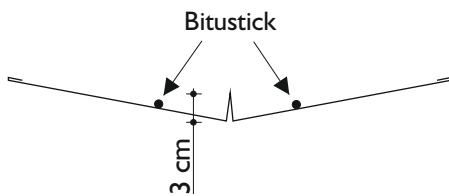


Fig. 16 - Flashing (example)

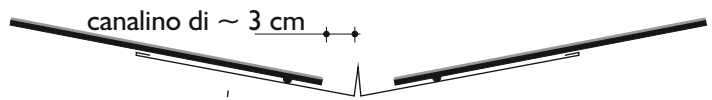


Fig. 17 - Installation of the valley

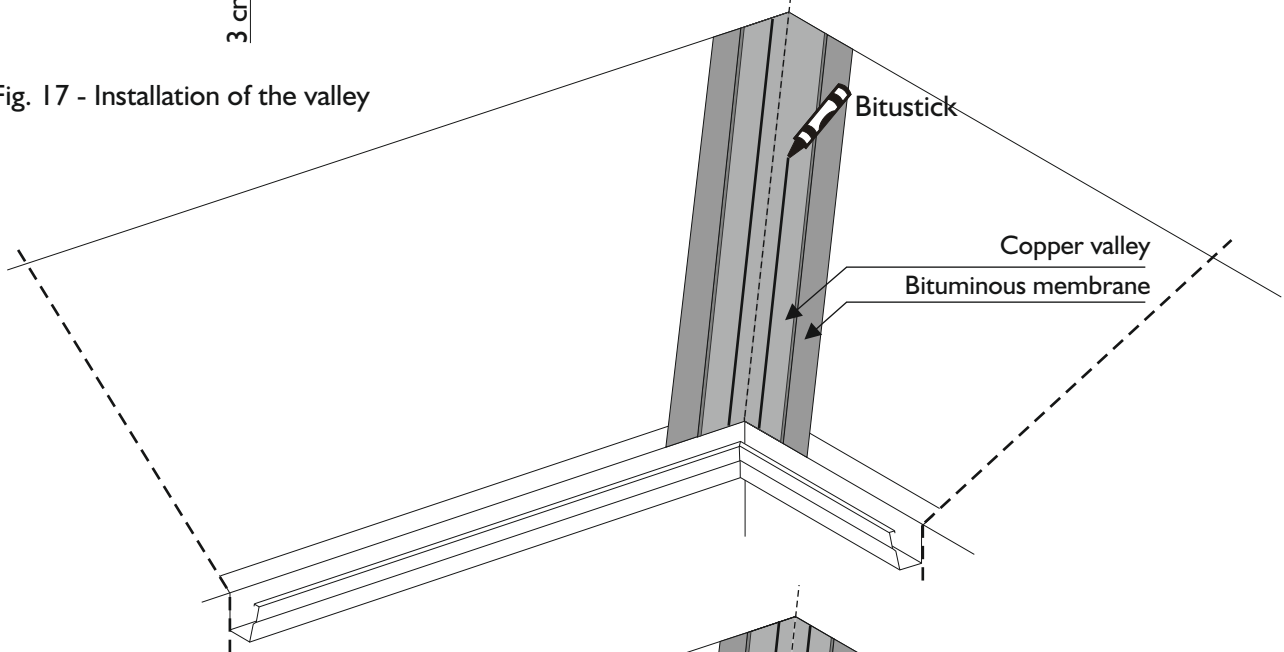
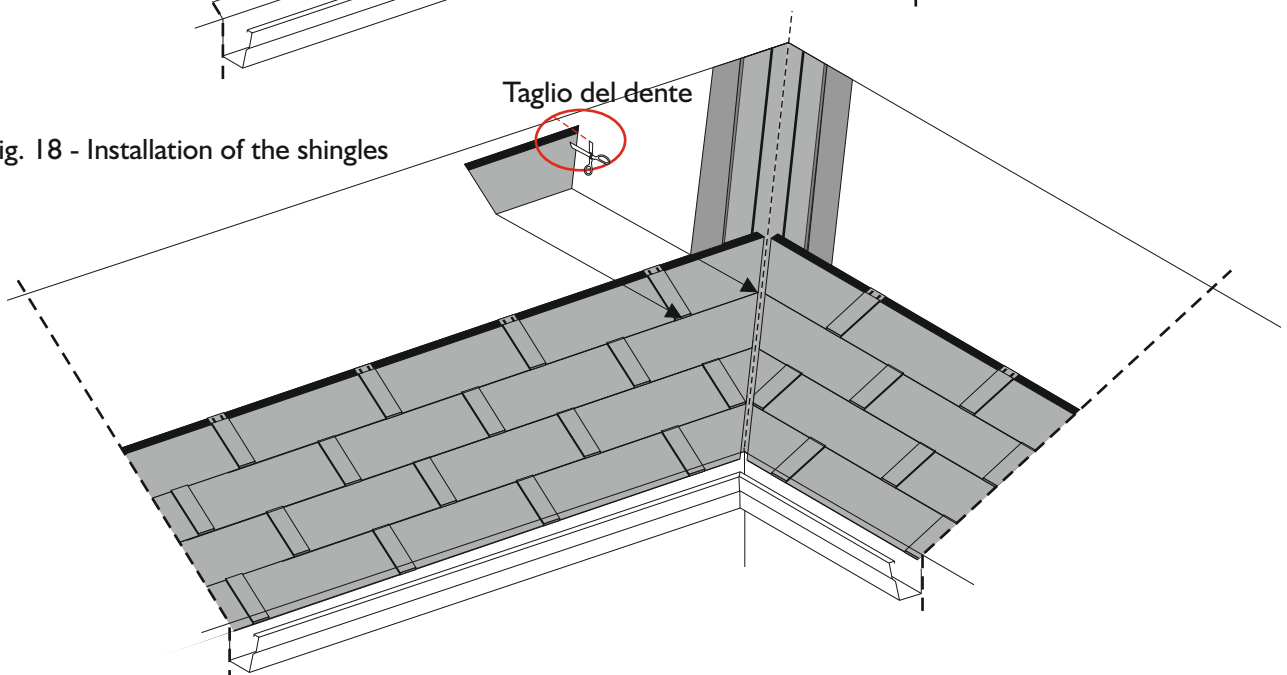


Fig. 18 - Installation of the shingles



## DETAILS

All the details (junctions, valleys, chimneys, etc..) can be carried out with copper flashings or bituminous membrane, and everything will be simplified by using the products TEGOLA CANADESE. Roof accessories such as: roof windows, snow stoppers, aerators and other accessories from Tegola Canadese make the installation and finishing of the roof easier.

The shingles PRESTIGE ULTIMETAL, are supplied with self-adhesive strip that soften with the heat and stick the shingles together, avoiding the wind to lift them up. With cold weather, in the presence of wind, in humid conditions ... this does not automatically happen and the adhesive points have to be heated up with a leister, and the shingles have to be pressed down to assure that they stick together.

## WARNING

- DO NOT STORE THE PALLET ONE ON THE TOP OF THE OTHER TO AVOID THAT THE BITUMINOUS SHINGLES STICK TOGETHER INSIDE THE BUNDLE.
- DO NOT EXPOSE THE PALLETS TO ATMOSPHERIC AGENTS NOR TO HEAT.
- PAY MAXIMUM ATTENTION WHEN BENDING AND APPLAING SHINGLES WHITH TORCH ON SYSTEM TO AVOID THE EVENTUAL DELAMINATION OF COPPER FROM THE BITUMINOUS SUPPORT.
- INSTALLATION WITH A ROOF SLOPE UP TO 85 ° IS POSSIBLE
- SHINGLES MUST NOT BE INSTALLED WHEN THEIR TEMPERATURE IS LESS THAN 10°C.
- IMMEDIATELY PRIOR TO THE INSTALLATION OF THE ROOF, THE SHINGLES SHOULD
- BE GENTLY CURVED
- IN SNOWY AREAS APPLY COPPER SNOW STOPS IN SUFFICIENT QUANTITY