

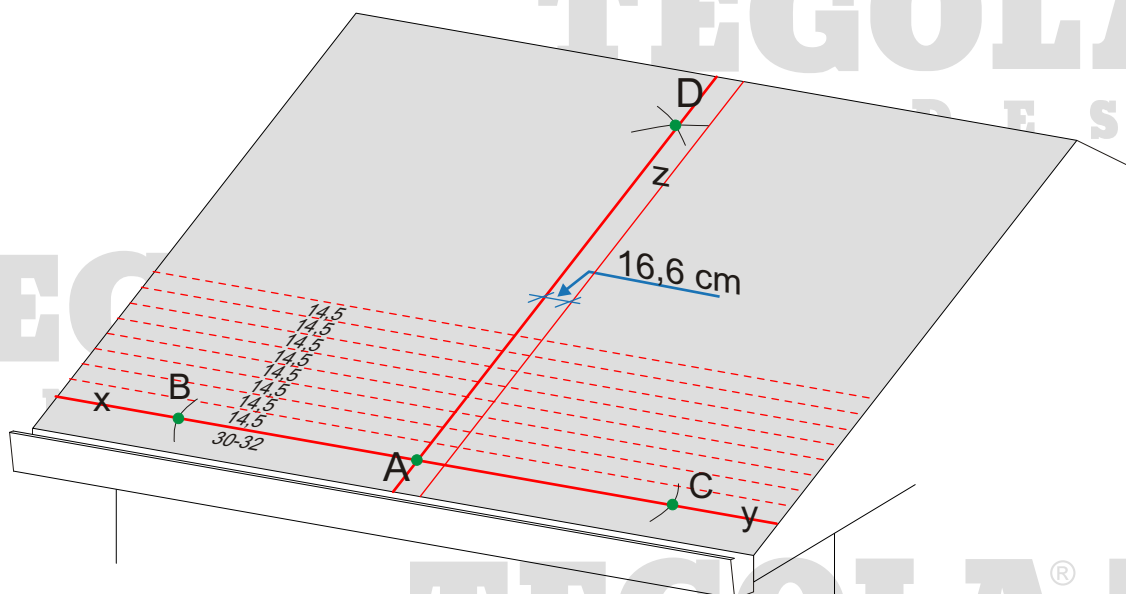
INTRODUCTION

The easy and correct installation of asphalt shingles requires a smooth, continuous, clean, and seasoned dry roof deck.

The roof deck can be built with wood materials (such as seasoned tongue or groove planks, plywood, cement and wood fibre board, etc.) properly supported, or with a light cement layer on top of the concrete deck suitable to torch on the bituminous membrane.

MARKING OUT THE ROOF

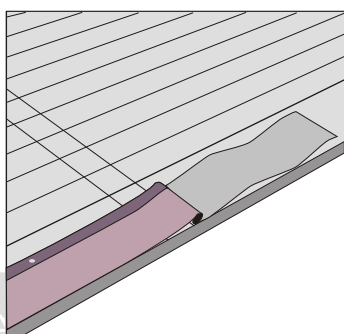
- Mark a line xy orthogonal to the direction of maximum slope of the roof (usually parallel to the eaves and to the gutter and at 32-34 cm from the gutter);
- Mark along the line xy a point A in the centre of the pitch;
- Mark points B e C , at either side from A (for example at 150 cm);
- Starting from 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 ;
- Mark a line parallel to line AD at a distance of 16,6 cm (z);
- Starting from the line xy , mark horizontal and parallel lines to the line xy , at a distance of 14,5 cm from each other up to the ridge (Pict. Nr. 1);



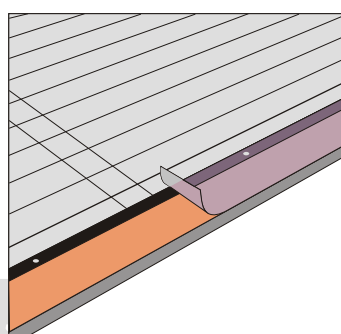
Picture Nr. 1 - Marking out the roof

INSTALLATION

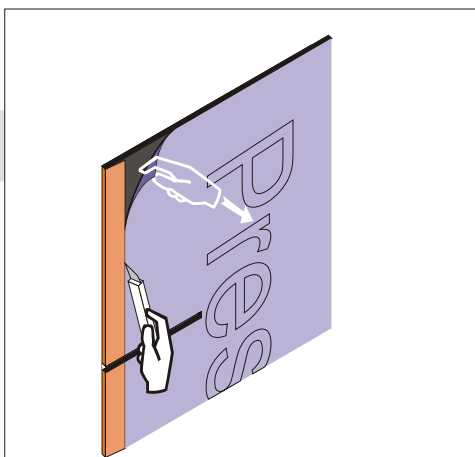
- Apply ELITE FIRST as a starter row on the eaves line; remove the protection on the reverse side. Fix this self adhesive, copper membrane with 1 stainless steel nail every one meter (Pict. Nr. 2).
- Remove the protection on the upper side of Elite First (Pict. Nr. 3).
- Before the installation of the shingles, remove the protection film at the reverse side of them; see Picture 4. For a correct installation all the shingles should be gently manually curved before installing them.
- The first row starts by aligning the first PRESTIGE ELITE shingle along the line AD (Pict. Nr. 5)
- Before starting to install the second row, remove the protection of the self adhesive film (Pict. Nr. 6)
- The second row starts by aligning the PRESTIGE ELITE to line z (Pict. Nr. 7)
- Repeat this installation method until all pitches are completed.



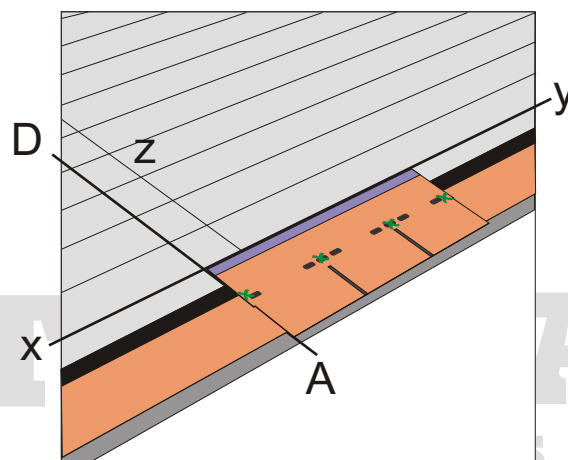
Picture Nr. 2 - Installation of "Elite First"



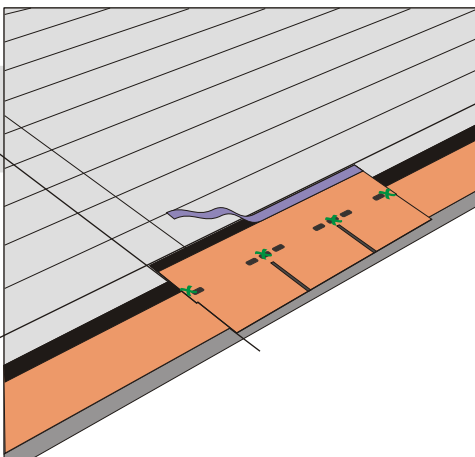
Picture Nr. 3 - Installation of "Elite First"



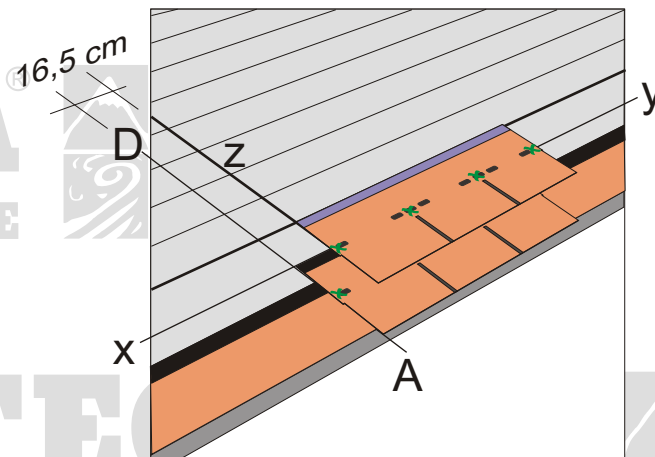
Picture Nr. 4 - Protection film at the reverse side



Picture Nr. 5 - Installation of the first shingle



Picture Nr. 6 - Protection film on the upper side



Picture Nr. 7 - Staggering of the shingles

SLOPES

Minimum slope for the installation of the shingles with nails is 30% (17 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.

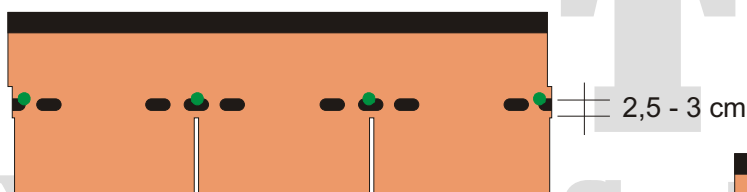
FIXING WITH NAILS

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 32 mm).

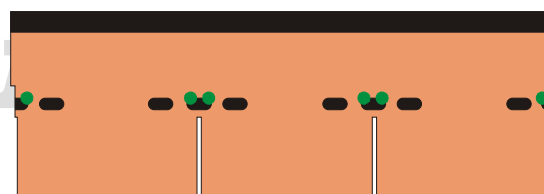
Apply 4 steel nails AISI 304 on each bituminous shingle, ELITE, positioned exactly as shown in Picture 8.

Make sure that the nails anchor also the underneath bituminous shingle.

N.B.: For slopes exceeding 160% (60 degrees) apply 6 nails on each bituminous shingle and double the number of nails on the second and third position from the left as shown in Picture 9.



Picture Nr. 8



Picture Nr. 9

RIDGES

Install ELITE shingles on both sides of the roof at not less than 15 cm from the ridge line and cut the piece of shingles which overshoot the ridge.

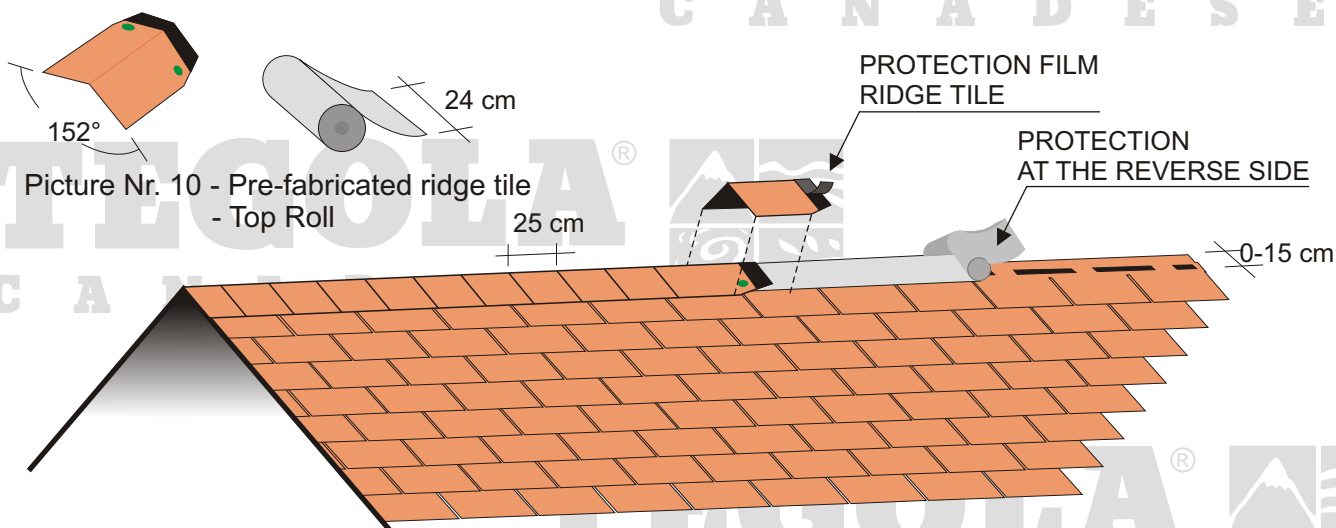
Waterproof the ridge, installing over the ridge TOP ROLL, a self adhesive membrane. Remove the protection on the reverse side (Pict. Nr. 11).

Remove the protection on the reverse side of the ridge tile (Pict. Nr. 4) and fix it with 2 nails 35 mm length see Picture 10-11. 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 (Pict. Nr. 11).

The ridges must bond each other; if necessary press down the ridge tiles with hands.



Picture Nr. 11- installation of the ridge tiles

VALLEYS

Install a valley gutter (Pict. Nr. 12) in correspondence of the valley (Pict. Nr. 14). The valley gutter has to be installed before marking the roof.

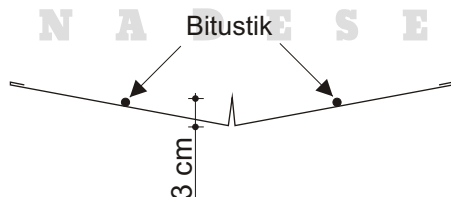
At 10 cm from the center line of the valley apply a line of Bitustick mastic (Pict. Nr. 14).

Install the shingles as to former indications and cut them at the center of the valley so (Pict. Nr. 15) that the cutting side meets the central fold of the valley (Pict. Nr. 13).

Seal the joint between shingles and valley with a line of Bitustick mastic (Pict. Nr. 13-15).

Nails should not be used within at least 30 cm of the center line.

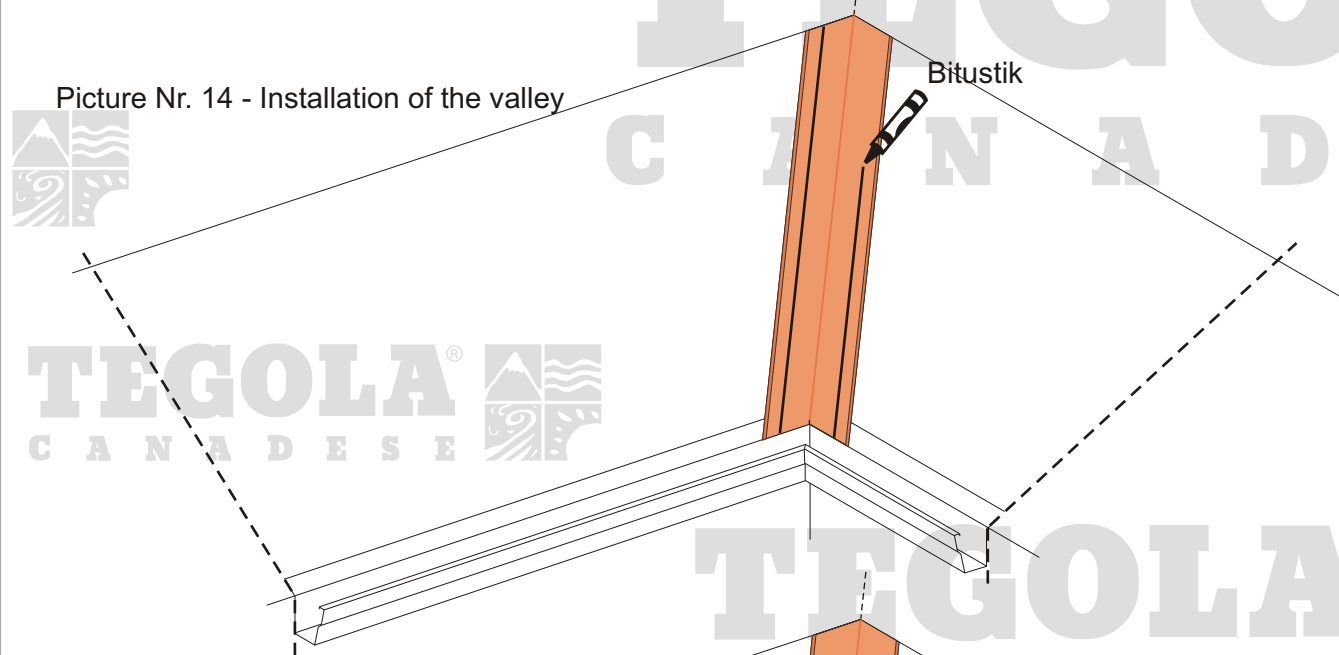
Picture Nr. 12 - Flashing (example)



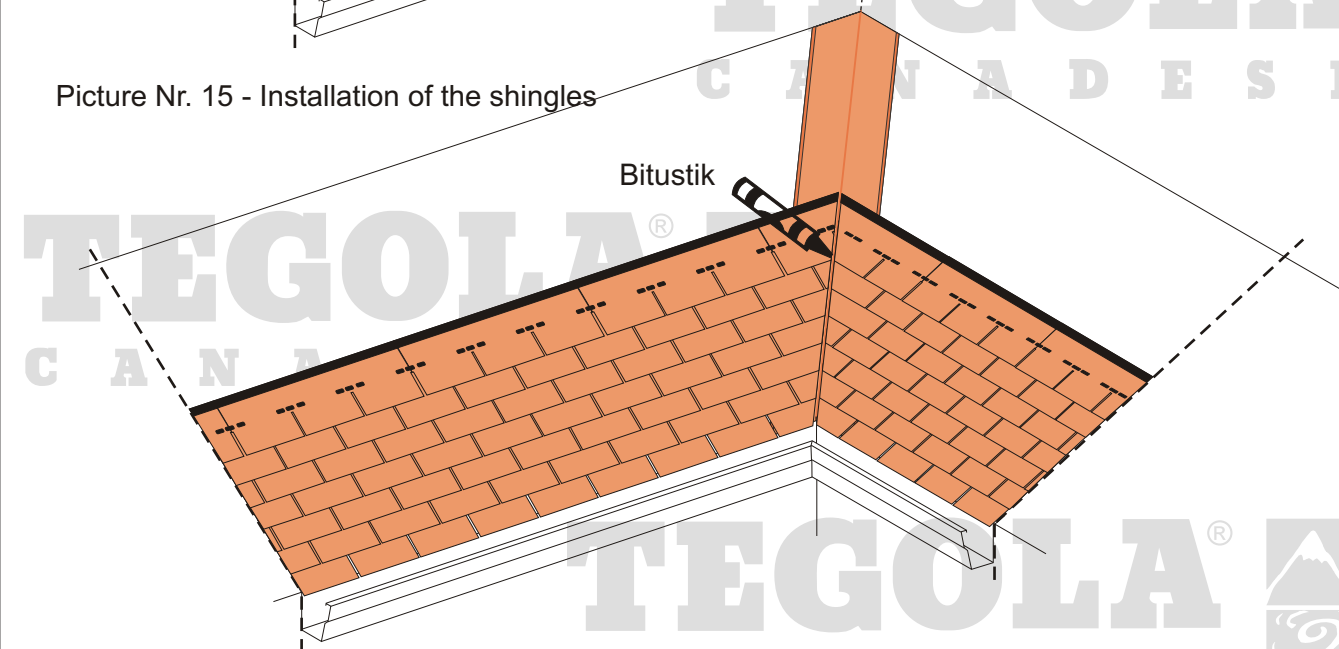
Picture Nr. 13 - Flashing (example)



Picture Nr. 14 - Installation of the valley



Picture Nr. 15 - Installation of the shingles



DETAILS

All the flashings (joints, chimneys, valley, etc...) can be carried out with copper flashings or with bituminous membranes; and everything will be simplified by using the products TEGOLA CANADESE.

Roof accessories such as: roof windows, snow stops, aerators and other accessories from Tegola Canadese make the installation and finishing of the roof easier.

The shingles PRESTIGE ELITE, are supplied with self-adhesive synchronized points that stick the shingles together, avoiding the wind to lift them up. With cold weather or in very windy areas this does not automatically happen and the adhesive points have to be heated up with a leister or with a torch, 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.
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- SHINGLES MUST NOT BE INSTALLED WHEN THEIR TEMPERATURE IS LESS THAN 10°C.
- PAY MAXIMUM ATTENTION WHEN BENDING AND APPLAING SHINGLES WHITH TORCH ON SYSTEM TO AVOID THE EVENTUAL DELAMINATION OF COPPER FROM THE BITUMINOUS SUPPORT.
- IMMEDIATELY PRIOR TO THE INSTALLATION OF THE ROOF, THE SHINGLES SHOULD
- BE GENTLY CURVED
- IN SNOWY AREAS APPLY COPPER SNOW STOPS IN SUFFICIENT QUANTITY

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