

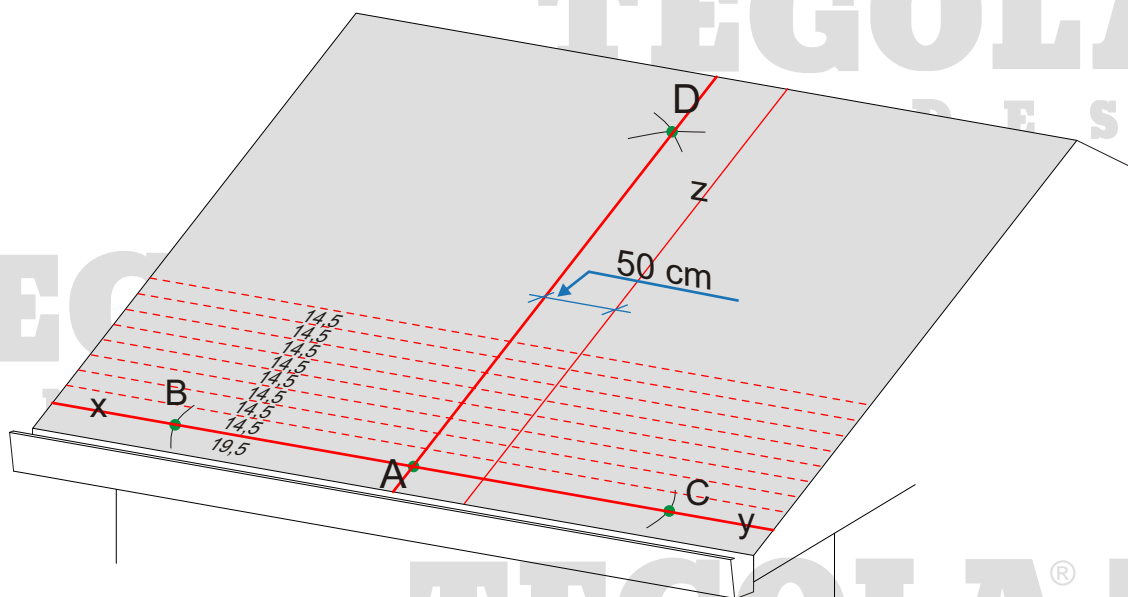
INTRODUCTION

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

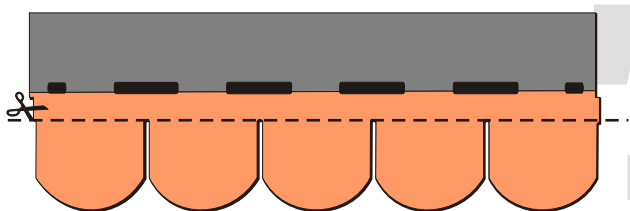
- Mark a line parallel to the eaves and to the ridge line -xy- (usually parallel to the eaves and to the gutter and at 32-34 cm from the gutter);
- Determine on this line a point A near to the center of the roof.
- Mark points B e C, at either side from A (for example at 150 cm);
- Starting from B and 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 50 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);



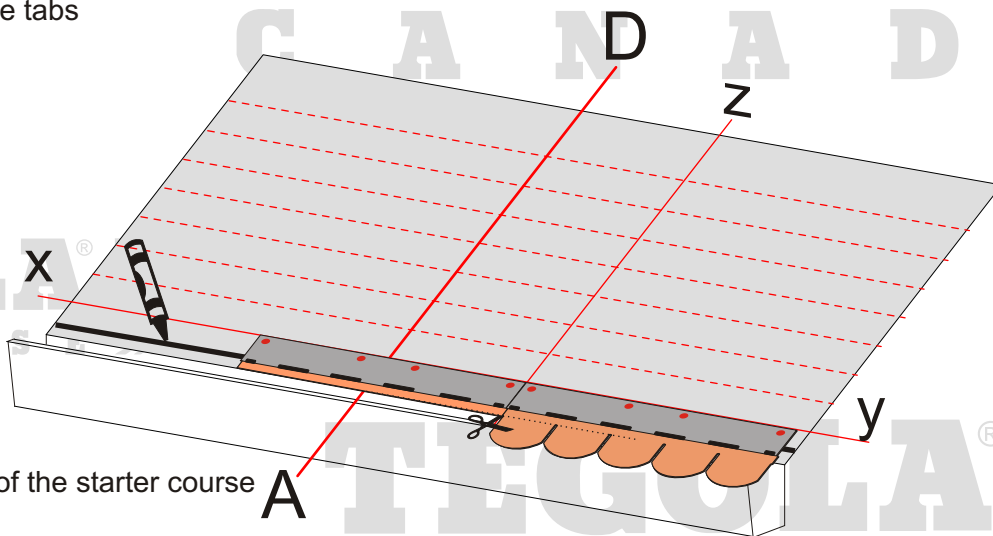
Picture Nr. 1 - Marking out the roof

INSTALLATION

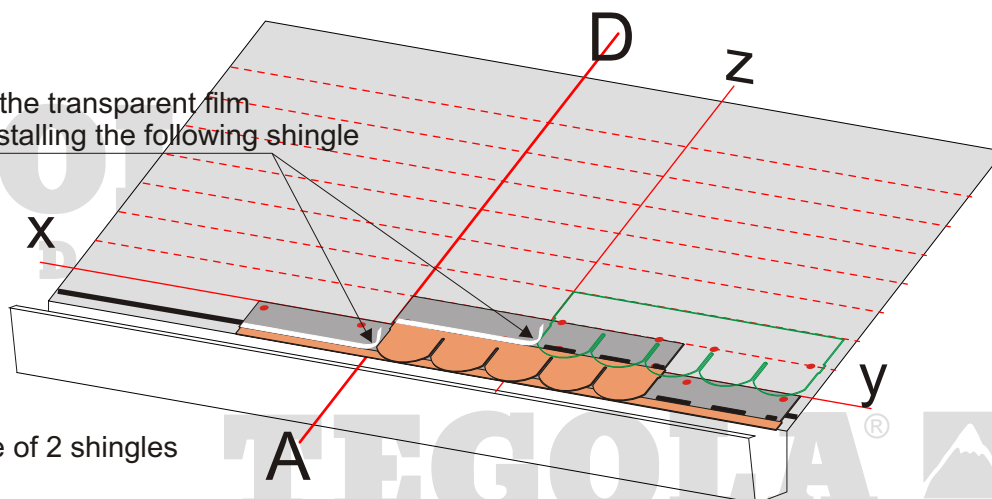
- Apply a line of bituminous mastik “Bitustik” along the eaves (Pict. Nr. 3); trim the tabs from the bituminous shingle to form the starter course (Pict. Nr.2) and align it to the line z (see Pict. Nr.3).
- Once the starter course is completed remove the transparent film placed over the adhesive points and install the first row of shingles along the line AD (Pict. Nr.4).
- Once the starter course is completed remove the transparent film placed over the adhesive points and install the second row of shingles along the line z (Pict. Nr.4).
- Repeat this installation method until all pitches are completed.
- The trimming and aligning operations are simplified following the cuts on the upper edge of each bituminous shingle.



Picture Nr. 2 - Trimming the tabs



Picture Nr. 3 - Installation of the starter course



Picture Nr. 4 - Sequence of 2 shingles

SLOPES

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

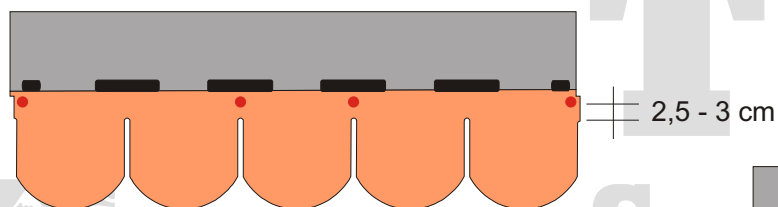
For roofs in the mountainside or with a pitch longer than 7,00 ml, please visit our web site or contact our Customer Service.

FIXING WITH NAILS

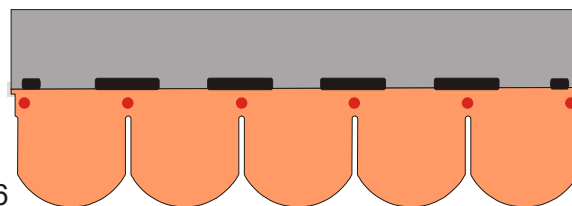
Use large headed roofing nails for the roof, stainless steel with high adherence, with a length suitable to the thickness and type of roof deck.

Apply 4 steel nails AISI 304 on each bituminous shingle, TRADITIONAL, **positioned exactly as shown in Picture 5**. 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 as shown in Picture 6.



Picture Nr.5



Picture Nr.6

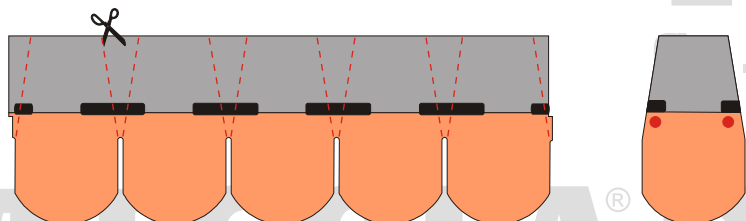
RIDGES

Install the last row of bituminous shingles up to the ridge line and then bend it over the exceeding part, in order to waterproof the ridge.

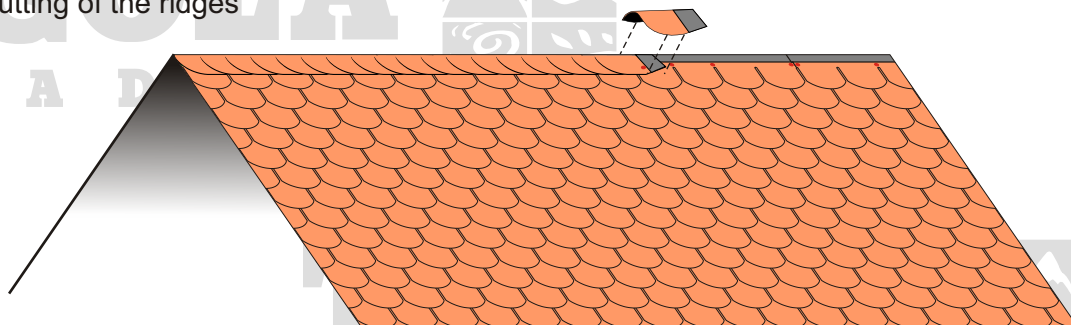
To obtain the ridges, cut the bituminous shingles into 5 pieces (Picture 7). Before installing bend and position them over the ridge line (see Picture 8). If necessary heat them on the reverse, sanded side.

Fix the ridges with 2 nails on each piece which will be overlapped by the following piece (Picture 8).

The exposure of the ridge is 10 cm.



Picture Nr. 7- Cutting of the ridges



Picture Nr. 8 Installation of the ridges

VALLEYS

Install a valley gutter (Pict. Nr. 9) in correspondence of the valley (Pict. Nr. 11). The valley gutter has to be installed before marking the roof.

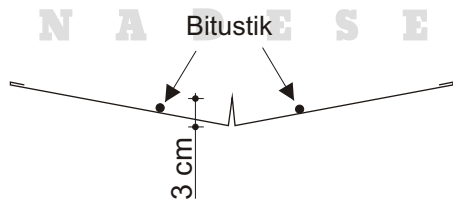
At 10 cm from the center line of the valley apply a line of Bitustik mastic (Pict. Nr. 11).

Install the shingles as to former indications and cut them at the center of the valley (Pict. Nr. 12) so that the cutting side meets the central fold of the valley (Pict. Nr. 10).

Seal the joint between shingles and valley with a line of Bitustik mastic (Pict. Nr. 10-12).

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

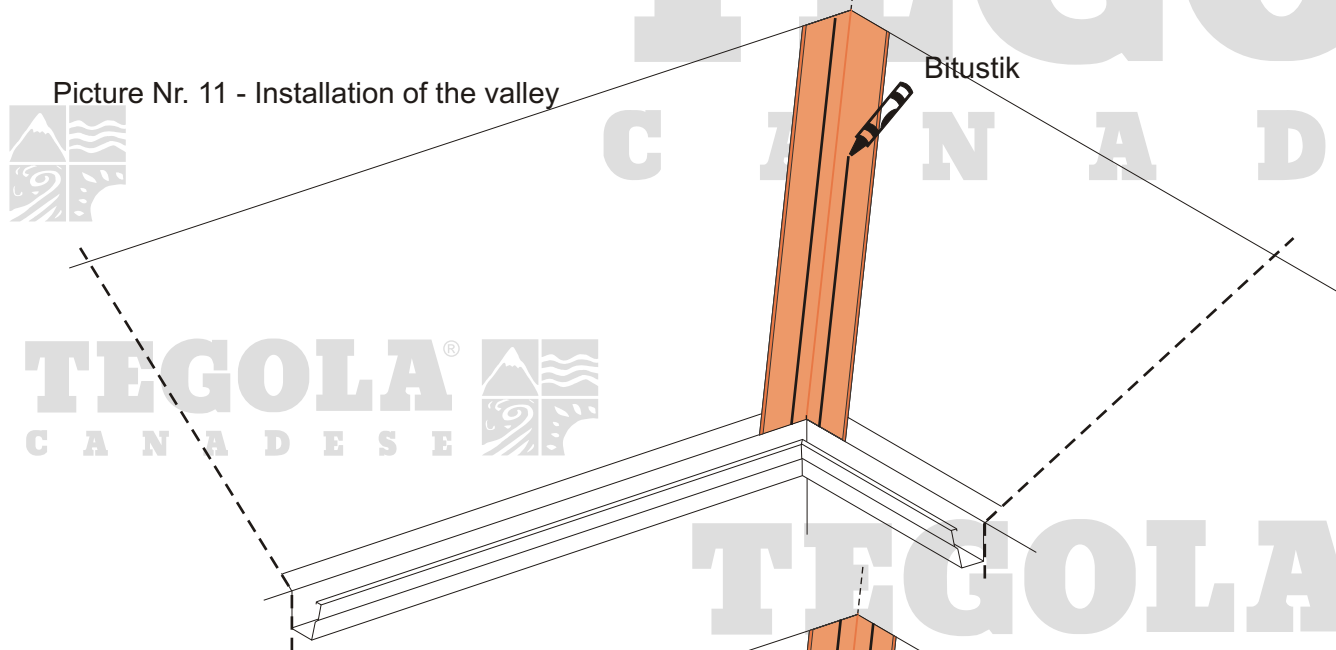
Picture Nr. 9 - Flashing (example)



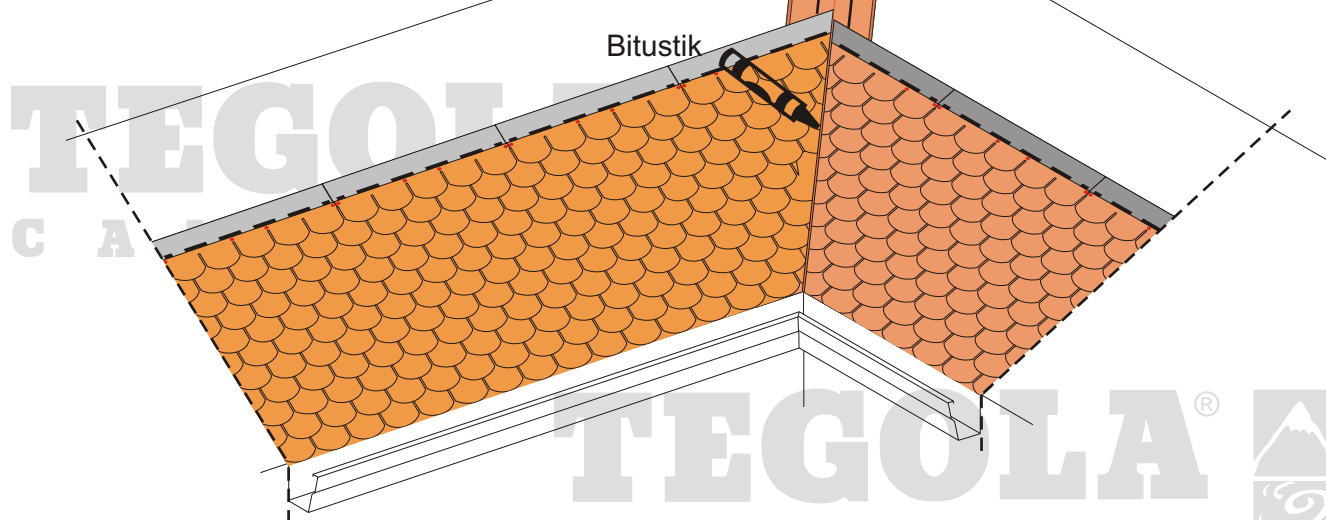
Picture Nr. 10 - Flashing (example)



Picture Nr. 11 - Installation of the valley



Picture Nr. 12 - 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 TRADITIONAL, are supplied with thermo-adhesive points that soften with the heat and 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 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 AND THE ENVIRONMENT TEMPERATURE ARE 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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