

InoDeck TERRACE MOUNTING PRINCIPLES

InoDeck terrace system is installed using conventional tools, making installation simple, easy and quick!

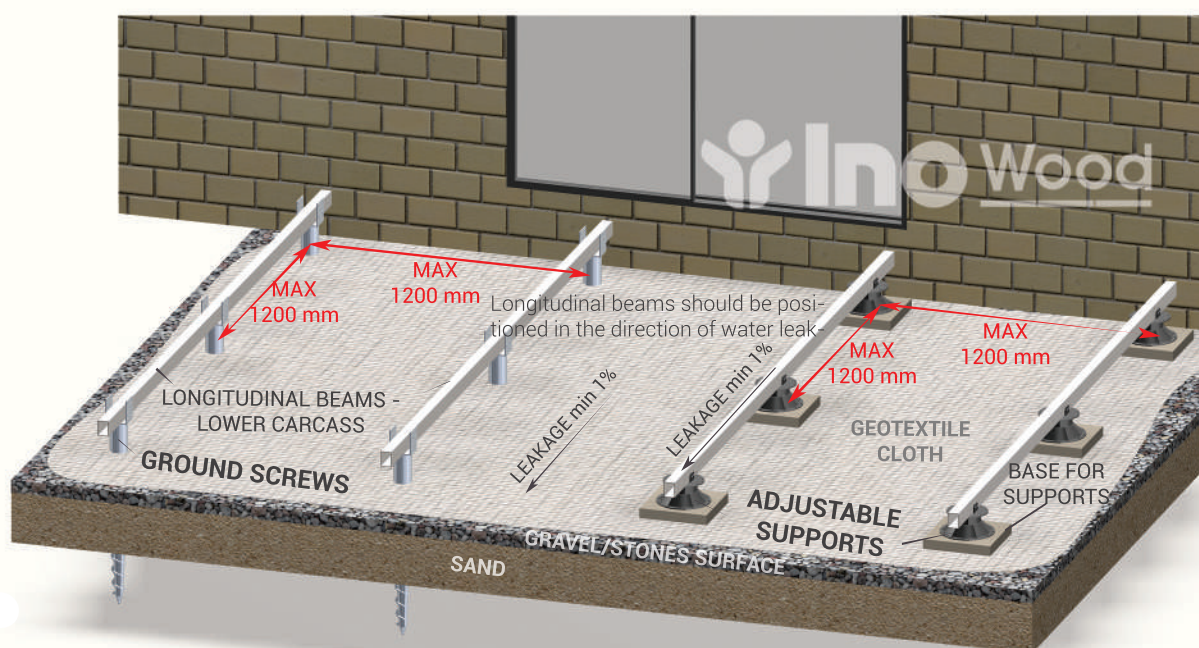
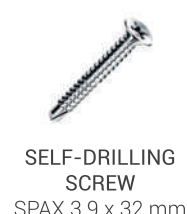
GUIDELINES FOR MOUNTING:

These guidelines should be read carefully before starting to work. The manufacturer and the seller are not liable for any possible damage to the product due to incorrect installation. Failure to follow the mounting instructions will invalidate the warranty for the entire system.

BIO composite products cannot be used as load-bearing elements. Just like standard wood products, BIO composite products can be machined (sawn, drilled, planed) and mounted using conventional tools. For cutting wood-plastic composite products it is recommended to use fine-toothed saws or circular saws for PVC and DSP. The terrace system must be installed on a prepared foundation. The optimum temperature for mounting is from + 5°C to + 30°C.

TERRACE SYSTEM INCLUDES THESE ELEMENTS:

BOARDS:



1 STEP

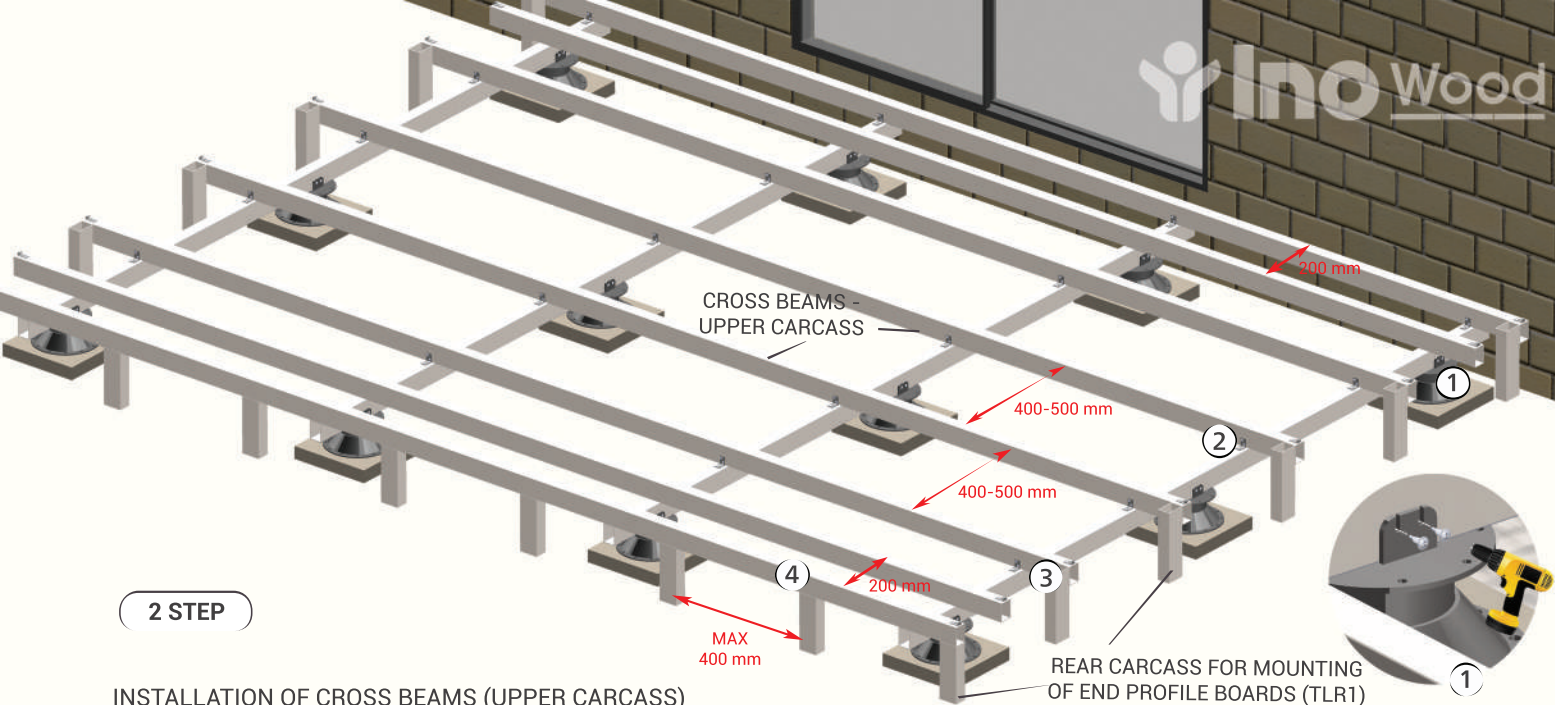
FOUNDATION PREPARATION AND INSTALLATION OF THE INITIAL (LOWER) CARCASS

The preparation of the foundation for the terrace system resembles the preparation of the foundation for light structures, with regard to ensuring the constant connection of the frame beams to the foundation throughout the length. The foundation of the terrace system can be:

- Concrete blocks laid on compacted sand or sand-gravel flooring;
- Compacted sand layer (15 – 20 cm) stabilized with cement;
- Monolithic concrete or reinforced concrete slab;

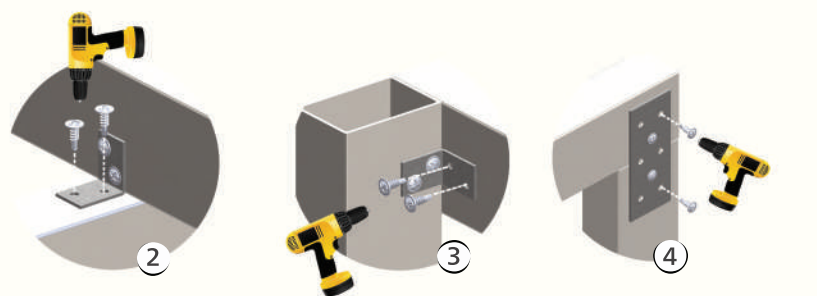
Ground screws or adjustable supports are used to fix longitudinal (lower) beams.

When preparing the foundation, it is necessary to arrange the drainage of water from under the terrace, including the slope of the water-tight base (min 1%).



INSTALLATION OF CROSS BEAMS (UPPER CARCASS)

- Maximum recommended distance between cross beam centres:
- 500 mm for PREMIUM (TL) boards;
- 400 mm for SOLID20 (TLR) boards;
- Rubber support tape is added on top of every cross beam of upper carcass before fastening boards;
- Distances from walls and other elements – at least 10 mm;
- When connecting carcass beams by length, it is necessary to fasten them to each other;



3 STEP

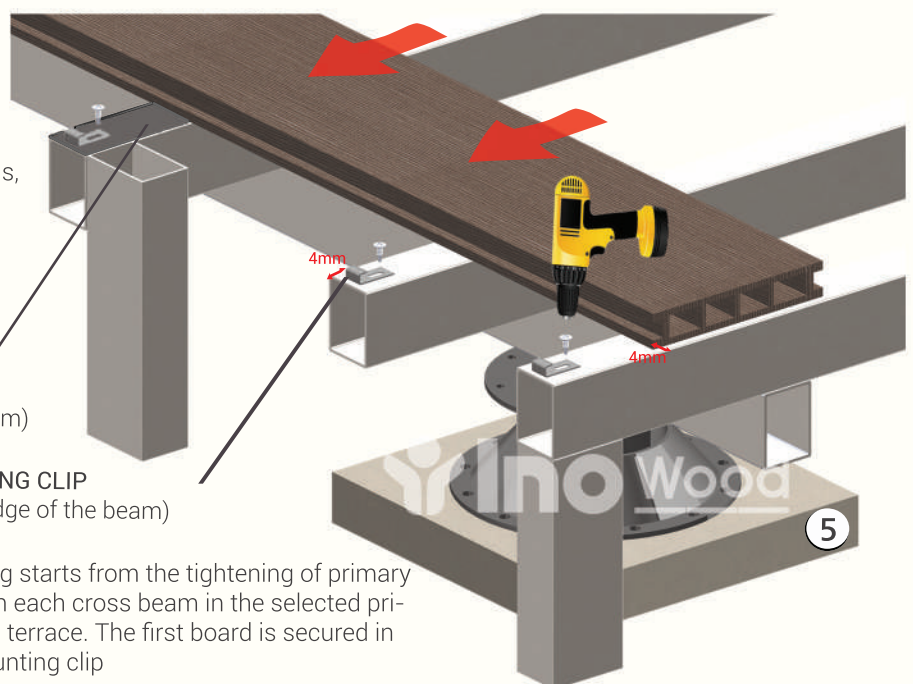
BOARDS MOUNTING

- Before mounting the boards, it is recommended to stack and store them for several days at the place where the terrace will be installed to allow the boards to adapt to the weather conditions;
- Before mounting the boards, it is necessary to select the starting side and put all boards in one direction;
- When joining boards lengthwise, it is necessary to place two cross beams at the joint and fix two standard brackets. When joining boards lengthwise, it is recommended to position them alternately with at least 50 cm displacement in relation to the already laid row;
- The boards are mounted by means of fasteners;
- The brackets are fixed to the cross beams with self-tapping screws;
- When joining boards, the mounting gap between the ends of the boards must be at least 10 mm;
- Wood-plastic composite expands / shrinks along the board depending on weather conditions, which is necessary to take into account when mounting;*
- The maximum diameter of the opening on the board (e. g. for lighting adjustment) must not exceed 60 mm.

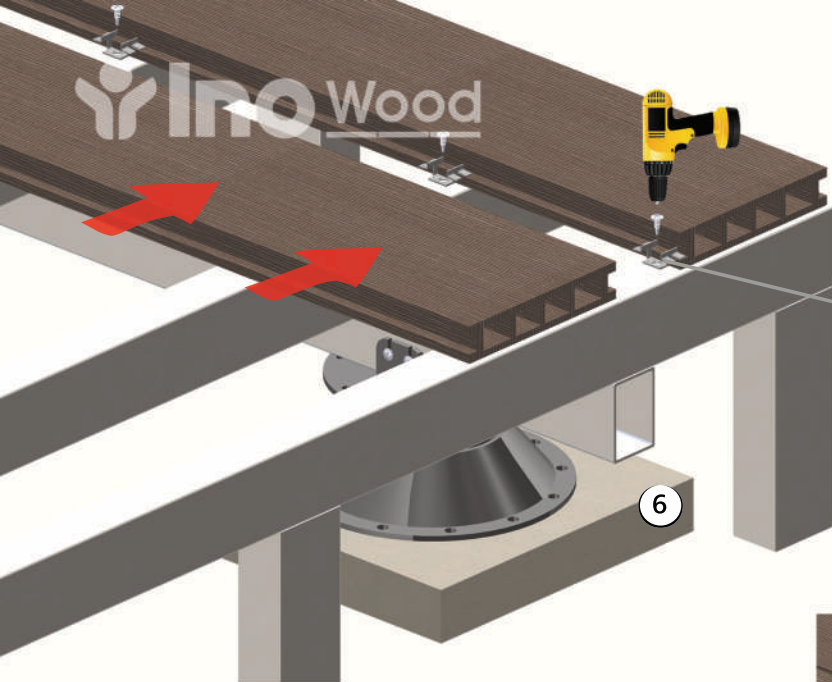
RUBBER SUPPORT TAPE
(should be added on every top beam)

PRIMARY MOUNTING CLIP
(mounted 4mm from the edge of the beam)

Boards mounting starts from the tightening of primary mounting clip on each cross beam in the selected primary side of the terrace. The first board is secured in the primary mounting clip

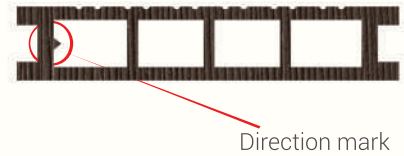


* According to tests carried out by the SKZ Laboratory, the maximum permissible movement (shrinkage / expansion) of the boards is up to 0.5% per running meter.



The board mounting clips are screwed with self-drilling screws on the other side of the board, after securing them to the edge of the board. The other board is secured by directoin mark to the fastener that has already been screwed in and on the other side it is secured again with mounting clips. The step is repeated until the entire terrace is filled.

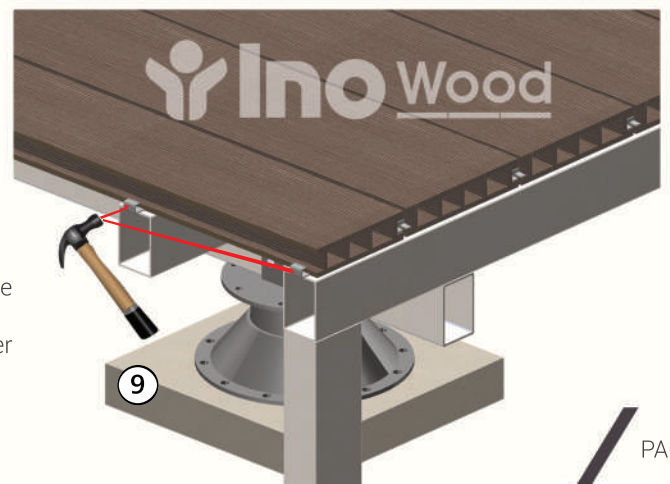
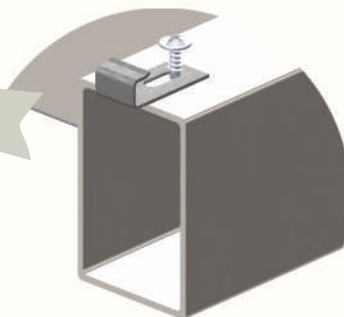
MOUNTING CLIP



The final board is secured in the fasteners, a cutting line with a 4mm gap to the edge of the beam is marked, and it is cut with a circular saw



Before securing the already cut final board, the primary mounting clips are fixed at the ends of the cross beams



The cut board is secured in the mounting clips, on the other side the primary mounting clips are pressed together with a hammer

The mounting of end profile boards (TLR1) starts from the corner of the terrace by screwing them to the rear carcass with self-drilling screws. It is recommended to connect the boards by cutting at 45-degree angle

MAX
1000 MM

MAX
1000 MM

If required, the terrace corner can be finished by attaching the aluminium L profile to the entire terrace perimeter. Fastening with self-drilling screws

ALUMINIUM L PROFILE

ALUMINIUM L PROFILE

Watch a terrace installation video on InoWood channel 

OPERATION, MAINTENANCE AND STORAGE CONDITIONS

Cleaning, maintenance

- Immediately after installation, wood-plastic composite boards must be washed with a high-pressure water jet (pressure should not exceed 100 bar), especially in areas inaccessible to rainwater;
- Cleaning must not be carried out with cleaning machines;
- Regular cleaning between boards is essential to ensure good water drainage from the terrace;

If spots appear:

- Grease and oil stains must be removed with special cleaning agents;
- Do not use solvents!
- Stains must be removed as soon as they appear to prevent them from drying and penetrating the material;
- If the stain has dried and penetrated the material, it can be cleaned with sanding cloth or cleaning agents and using a high-pressure water jet.

Storage

- Material not on original pallets must not be stored outdoors!
- Before mounting, the material must be adapted to the mounting site within 24 hours, i. e. lay the boards evenly to get sun or rain;
- Since the material contains natural wood fibers, the colour saturation can change under the influence of sun and humidity. The colour stabilizes after a while.

For more information please visit our website:

www.inowood.it

