IzCLIP INSTALLATION GUIDE

iZclip installation guide

iZClip is essentially comprised of an understructure “rail system” which comes with pre-installed and pre-spaced patented iZClip nylon clips. Our grooved decking boards are then simply pressed and locked in place. The decking boards material can be chosen from RUBIDECK (our composite material made of PP and wood fibers)but you can use also real wood boards.

RUBIDECK material reaches a thermic expansion till 1mm per each meter (only in the lenght). Before installing RUBIDECK boards we suggest to measure the lenght of the boards and proceed leaving the right tolerances.

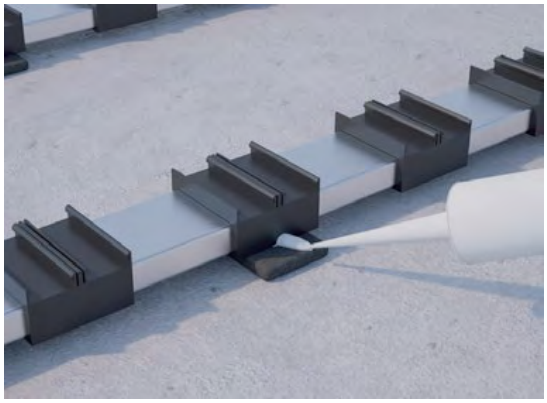
BEFORE STARTING

Define the final height of the deck from the leveled ground:

- final height till 6/7cm: proceed according to CASE A
- final height over 6/7 cm: proceed according to CASE B

CASE A: INSTALLATION ON SMALL RISERS

final height till 6/7cm



LEVELING WITH RUBBER RISERS:

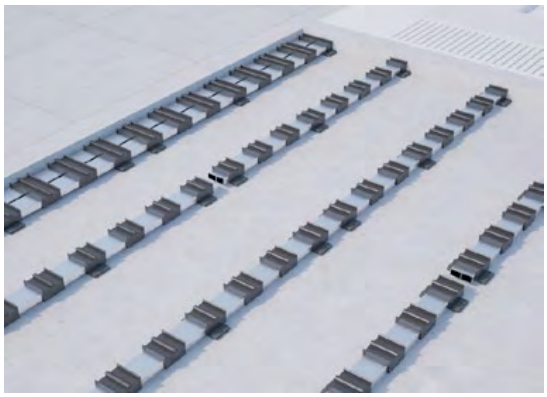
Distance the understructure from the ground with the rubber risers by fixing them with glue to the understructures (not to the ground).

PLACING THE iZCLIP UNDERSTRUCTURE:

- Align the aluminum understructure following the suggested interval (see the data below) without fixing them to the ground.

- The interval between the understructures is 30cm

- In case of start/end of the deck against a wall or a fix element, cut the external half of the final clip or finish with the clickable step profile



DOUBLING THE UNDERSTRUCTURE:

- Where it is not possible to fix the understructure on the ground we suggest to double the understructure on the left and right side of the deck

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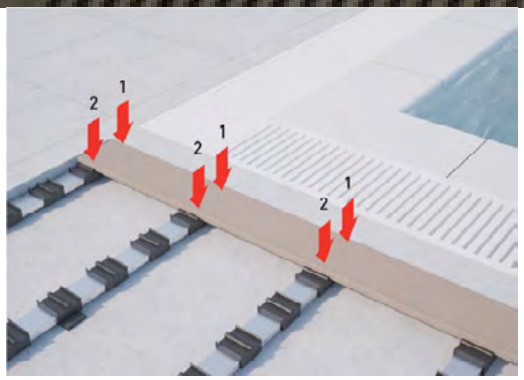
INSTALLING THE FIRST BOARD:

- Lay the board over the aligned understructures.
- Click it by pressing with your foot in two times, first in front (1) and then back (2) in correspondance of each below clip.
- Repeat the operation over each intersection between board and understructure



INSTALLING THE REST OF THE BOARDS:

- Click the other boards distanced from one another in order to square the whole deck structure. This allows a perfect alignement of the understructures that will be then ready to be fixed on the ground. IMPORTANT: the position has to be calculated with care, paying attention on alternating the board edges meeting point.
- When making large decks, we suggest to proceed by limited areas, paying attention on connecting all the areas together.

REGULATING THE RUBBER RISERS:

- Once the understructures will be perfectly squared, verify the leveling of the floor.
- Insert more risers if/where necessary by gluing them to the understructure

FIXING THE UNDERSTRUCTURE ON THE GROUND:

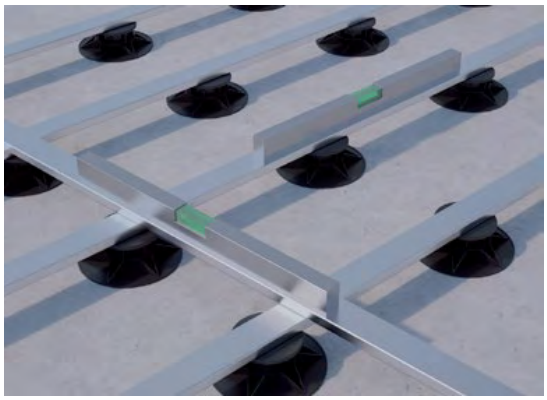
- Drill the aluminum understructures and fix them on the ground
- If the ground cannot be drill, use glue.

FINISHING THE DECK:

- Complete the Deck by clicking the rest of the boards

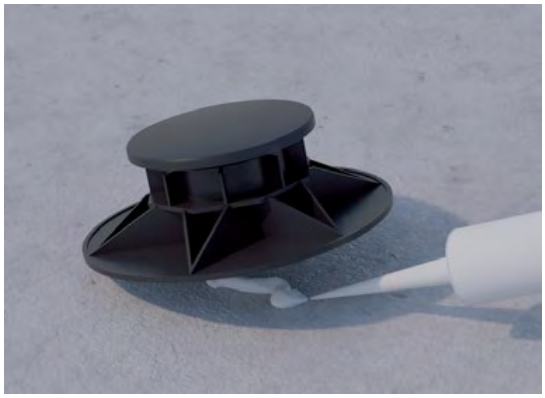
CASE B: INSTALLATION ON JACK SUPPORTS

to be adopted in case of final height over 6/7cm



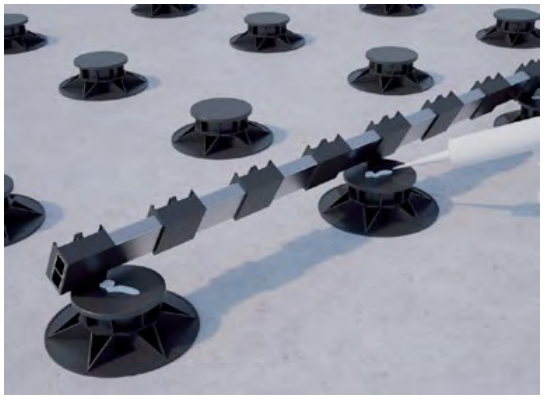
POSING THE JACK SUPPORTS:

- Pose the Jack Supports following a 50 cm interval from one another.
- Regulate them in order to be all at the same level.



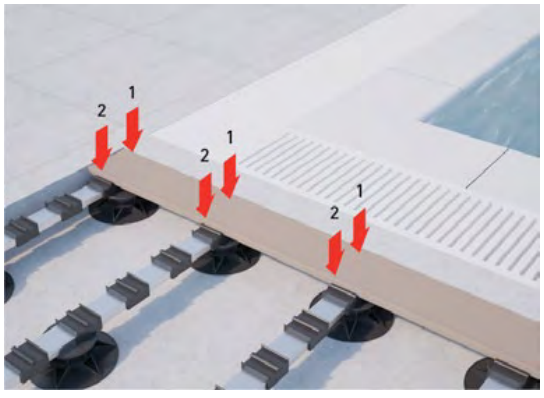
FIXING THE JACK SUPPORTS ON THE GROUND:

- Lift the support from a side and inject the necessary amount of glue to fix it on the ground
- Wait for the glue to stick to avoid support movements.
- When building large decks, we suggest to proceed by limited areas



FIXING THE iZclip UNDERSTRUCTURE ON THE JACK SUPPORTS:

- Place the understructure in the middle of the support's round head.
- Lift the understructure from a side and inject the necessary amount of glue to fix it on the jack support
- When building large decks, we suggest to proceed by limited areas
- In case of start/end of the deck against a wall or a fix element, cut the external half of the final clip or finish with the clickable step profile

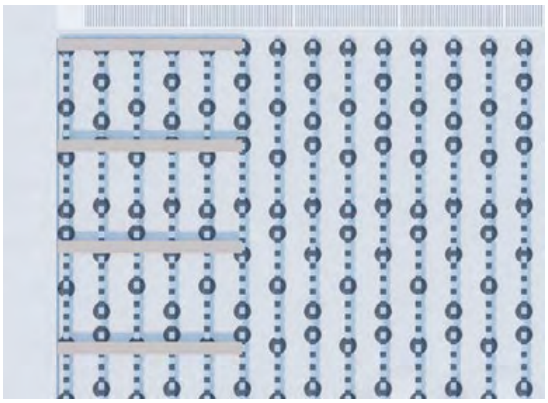


INSTALLING THE FIRST BOARD:

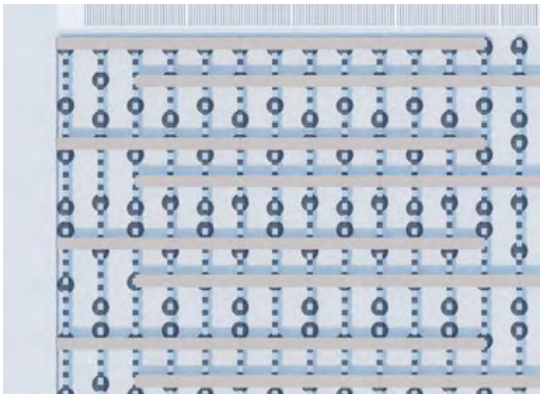
- Lay the board over the aligned understructures.
- Click it by pressing with your foot in two times, first in front (1) and then back (2) in correspondance of each below clip.
- In case of a too high height for the foot clicking, use a rubber hammer
- Repeat the operation over each intersection between board and understructure

INSTALLING THE REST OF THE BOARDS:

- Don't wait for the glue to completely dry: this allows a certain elasticity needed to square the whole structure.



- Click the other boards distanced from one another in order to square the whole deck structure. This allows a perfect alignement of the understructures that will be then ready to be fixed on the ground. **IMPORTANT:** the position has to be calculated with care, paying attention on alternating the board edges meeting point.



- When making large decks, we suggest to proceed by limited areas, paying attention on connecting all the areas together.

JACK SUPPORTS REGULATION:

- If necessary, adjust and regulate the height of the support heads by rotating it.

FINISHING THE DECK:

- Complete the Deck by clicking the rest of the boards

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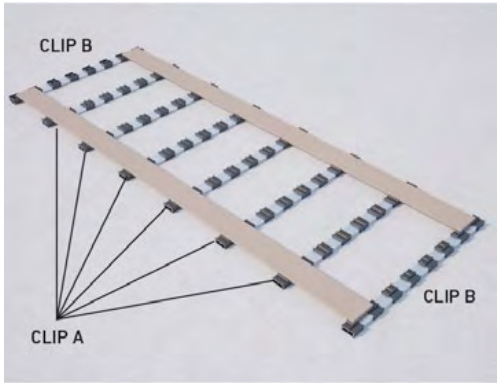
ALTERNATIVE SOLUTIONS AND SUGGESTIONS

iZclip system allows to change the direction of the decking boards thank to the use of two clips (Clip A and Clip B). This will let you change the design of your deck very easily and quickly.

iZclip MODULES DECKBUILDING

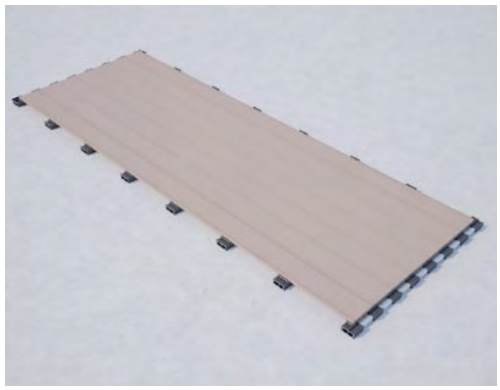
The Clip B lets you pre-build the modules of your future deck. This solution is even quicker in matter of installation times and it is highly suggested in case of big areas to cover or temporary decks that will have to be removed and re-installed.



CREATING THE MODULE UNDERSTRUCTURE:

- Dispose the understructures at the right distance: the internal ones will be Clip A understructures, the two external ones will be Clip B understructures.

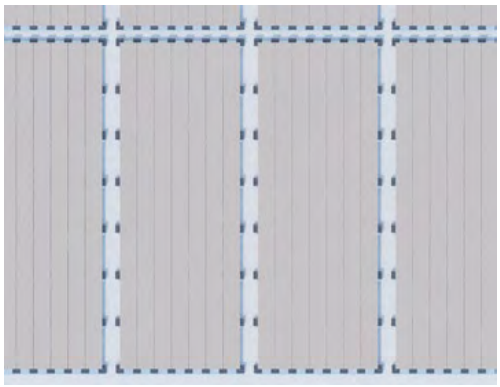
- Assemble the understructure clicking the two external boards



COMPLETE THE MODULE:

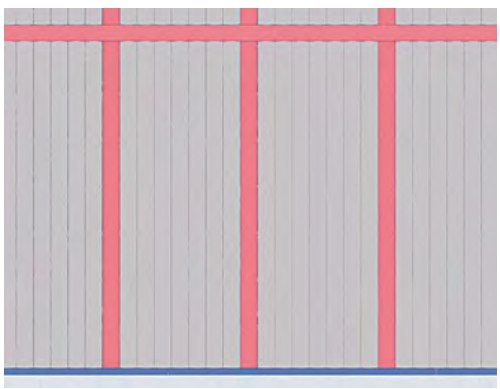
- Complete the Module assembling by clicking the rest of the boards.

- SUGGESTION: create the module with a maximum of 7 boards and with understructures cut half in order to handle them easier.



CREATING THE DECK:

- After preparing the Modules and having verified the ground level, place the modules over the desired area. Distance them in order to let the connecting board be clicked correctly



COMPLETING THE DECK:

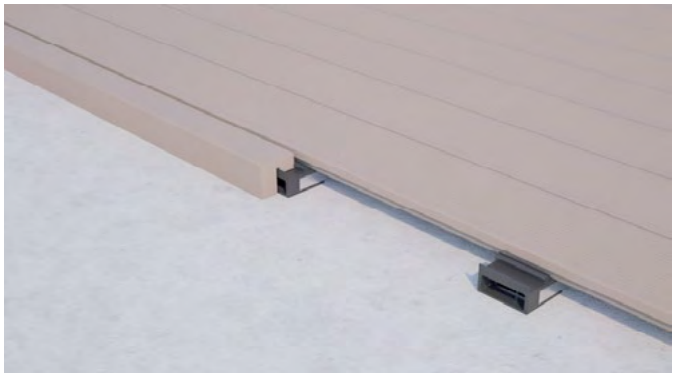
- The Clips B present on the short external sides of the single modules will let you connect the modules even in longitudinal sense.

- Insert the connecting boards (highlighted in red) both in ortogonal and longitudinal sense.

- Complete the framing with the iZClip step profile (highlighted in blue).

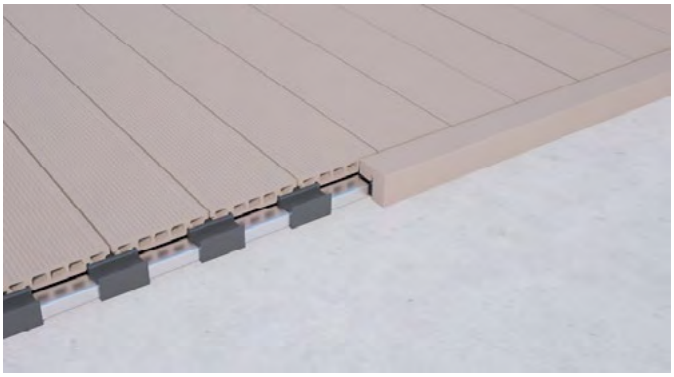
INSTALLATION OF iZclip STEP PROFILE

iZClip system allows a clickable framing/nosing profile called Step Profile, easy and quick to install.



INSTALLATION PARALLEL TO BOARDS

- Click the Step Profile in the remaining half clip at the end of each understructure



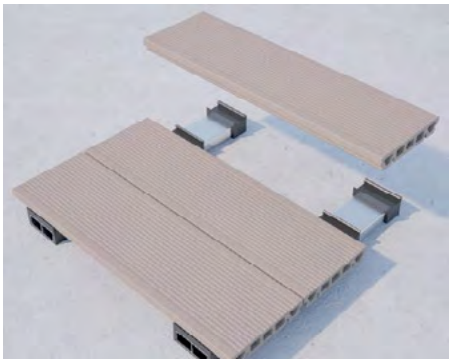
INSTALLATION PERPENDICULAR TO BOARDS DIRECTION:

- Use the Clip B understructure in the end
- Click the Step Profile in the remaining half clip at the end of each understructure

CREATING INSPECTABLE MANHOLES

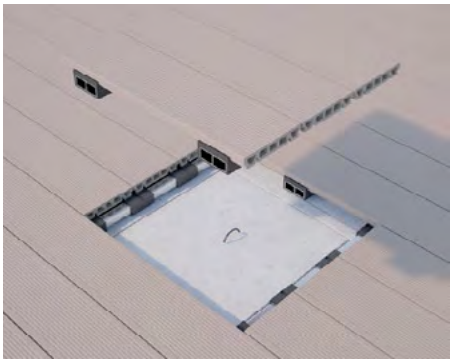
UNDERSTRUCTURE PLACEMENT:

- Interrupt the understructure in correspondence of the manhole.
- Insert two pieces of aluminum understructure as reinforcement of the manhole.
- Remove a part of the clips to create the manhole support.



CREATING THE MANHOLE MODULE:

- Continue by clicking the precut boards according with the desired mahole size.
- Cut the pieces of understructure and boards necessary to assemble the manhole according to the desired size.



COMPLETE THE MANHOLE:

- Place the manhole over the opening: the projections will have to lye on the support area created on the reinforcement understructure profiles.

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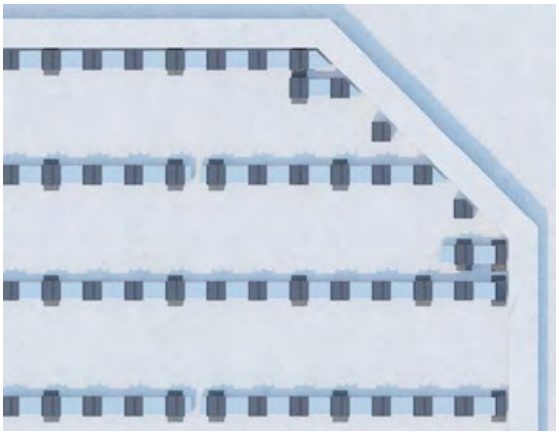
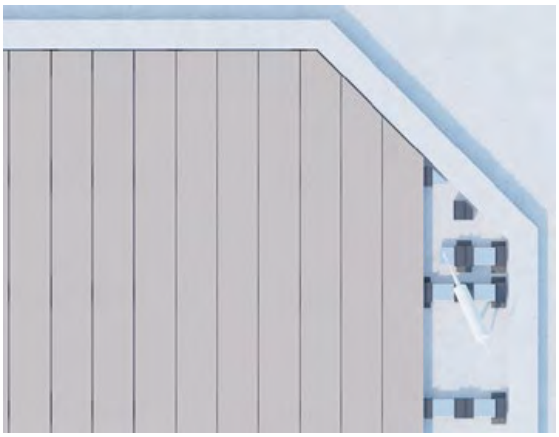
DIAGONAL CUTS



DIAGONAL CUT:

- Cut the final part of the understructures following the desired angle.

- Add portions of understructure among the principal ones, otherwise the boards would not be supported in the final part

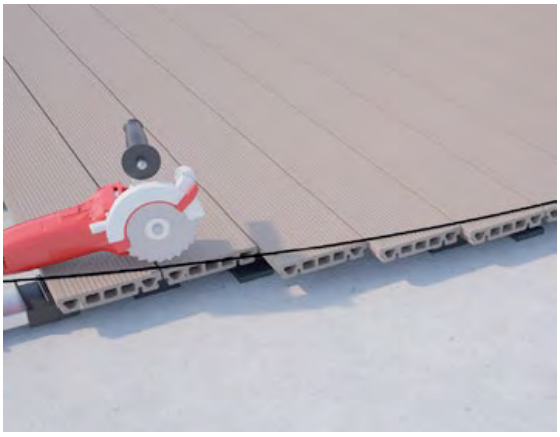


COMPLETE THE DECK:

- Cut the boards according to the desired size and complete the deck.

- **SUGGESTION**: if a board ends up to be over an understructure portion where there is no clip, we suggest a glue point to fix it.

MAKING ROUND CUTS

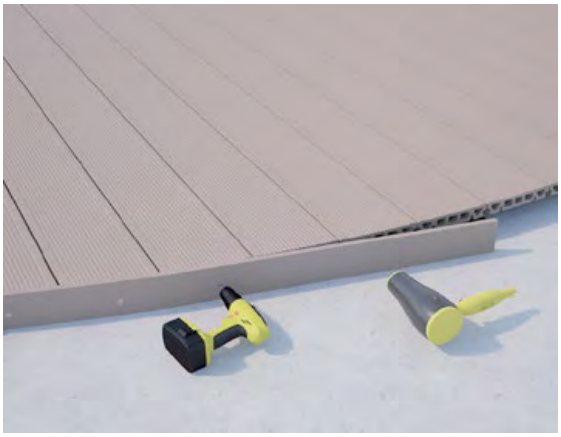


ROUND CUT:

- Create the deck normally and let the boards protrude over the area that will have to be round cut.

- Perform the cut with the right tools

- Make sure the understructure has a support clickable point at the end of each board.



FRAMING PROFILE 10x95mm:

- Once cut, it is possible to install the special 10x95 mm profile

- Heat the profile with a hot air gun according to the round shape to follow.

- Fix it with screws while bending it. Keep in mind that once the profile cools down, it will maintain the given bent shape.