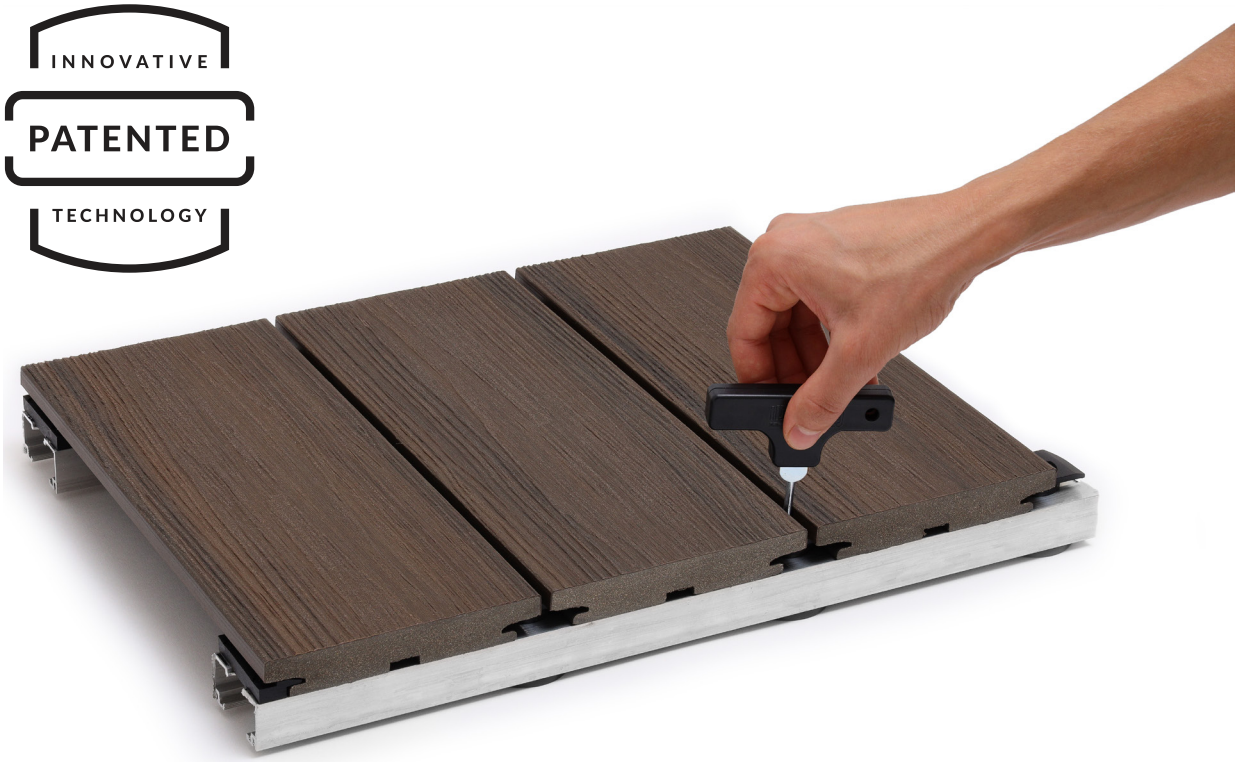
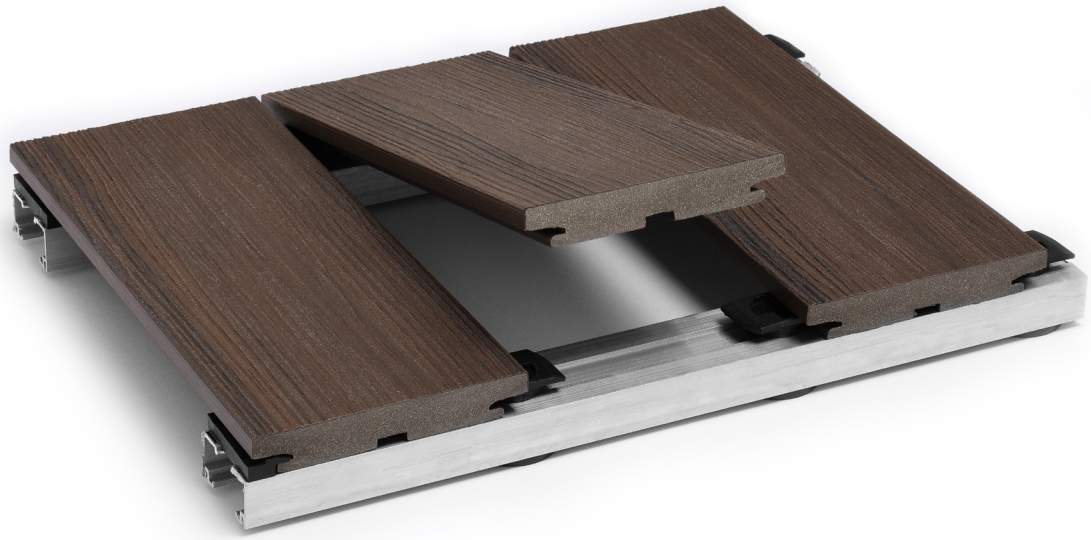
iDeckKing
REVOLUTION

INNOVATIVE
PATENTED
TECHNOLOGY





Installetion Guide - EasyChange System

Index

Information to plan the installation

READ CAREFULLY BEFORE STARTING THE INSTALLATION.

According to the norms on wooden constructions, it is always necessary to comply with an incline coefficient of 1-2% during installation. Higher differences in height must be adequately filled with the right materials. It is also it is important that this inclination is given outwards, with respect to the walls of the house. In this way you will avoid water stains, puddles, dirt deposits and further damage.

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The subfloor must be solid and durable. Absolutely avoid that in the background there is the possibility that water can create stagnation. It is essential that once the decking with its substructure has been positioned, we do not go never to fill the space below with materials, in order to always guarantee adequate ventilation and exchange between hot and cold air.

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Avoid permanent contact of the boards in Duro 2.0 and Etherno Bamboo with the loam.

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Near fixed elements (houses, walls, etc.) always leave an adequate distance (2 cm) to allow not to come into contact in case any expansions.

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In the case of heavy rains, It is necessary that the subfloor is sufficiently draining.

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The maximum distances of the substructure must be respected. The substructure must always be screwed in the background! In case there is no possibility to fix the substructure to the subfloor (see example of installation).

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Consider the minimum distance between the expansion joints, so that the flooring may be can freely dilate/contract. Due to the weather (hot/cold rain), duro 2.0 slats can undergo dilations / contractions, always respect the head distances between one plank and another (2mm x m).

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To ensure a correct installation and preserve the Duro 2.0 aesthetically, the boards must be stored away from light sunny in a dry place. The Duro 2.0 must be stored at the place of installation at least one day before installation, the latter must not take place with temperatures below 10 ° C. Do not slide the boards Duro 2.0 one on top of the other, to avoid unsightly rubbing damage.

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Basically all screw connections must be pre-drilled (for details see manual), screw joints must screw moderately, without tightening too much.

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In the case of any fixings with (screws / stop) it is recommended to use stainless steel material.

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As with wood or other building materials, DURO 2.0 products also overheat as a result of Sunlight. Obviously the dark colors will warm up more than the light ones. Consider it when walking on naked foot.

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SAFETY: Working on a construction project it is advisable to be equipped with protective clothing and safety equipment in compliance with labor safety laws of your country.

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TOOLS: No special tools are needed. For best cutting results, use widia blades suitable for aluminum cutting. If you use a saw , we recommend widia blades with a diameter of 254-305mm with many teeth.

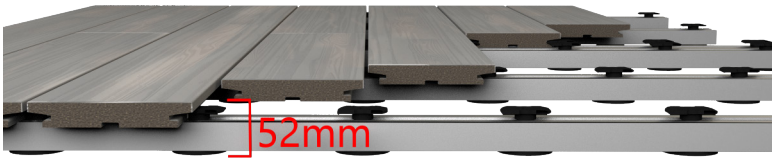
This manual for iDecking assembly is the basis of every correct installation, in case of discrepancies will not be granted any guarantee. Must be used Substructures and accessories “iDecking”

Preliminary assessments

The first and most important evaluation to be made is the choice of the type of system, based on the possibility of fixing and floor height. Based on these two evaluations choose the type of proper installation. Is possible to fix the secondary substructure in "EASYCHANGE" and "IFLY" directly to the ground. In cases it is not possible, is necessary to use a primary substructure.
This primary substructure need to create a base where you can fix the EASYCHANGE or Ifly substructures.
Below are the most frequent cases of use of the double substructure (primary and secondary) :

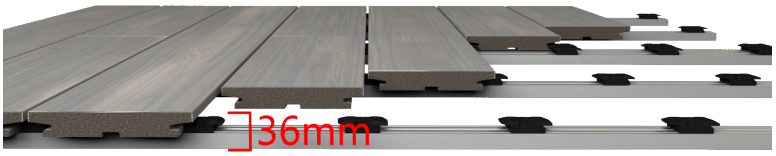
- Installation on adjustable pedestal;
- Installation on beaten loam, sand, gravel or similar materials;
- Installation on terraces with waterproofing sheath;
- Installation on existing floors that you don't want remove;

In all these cases, the primary substructure must necessarily be used to ensure the flooring stability



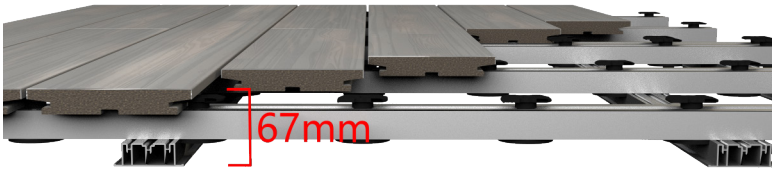
SINGLE EasyChange SUBSTRUCTURE

total flooring height 52 mm with possibility of **fixing to the ground**.



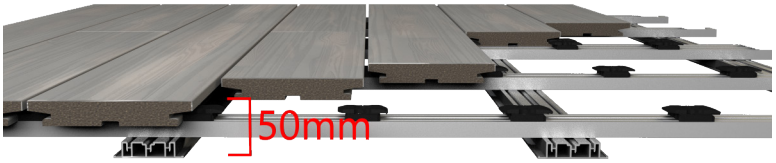
SINGLE iFly SUBSTRUCTURE

total flooring height 36 mm with possibility of **fixing to the ground**.



DOUBLE SUBSTRUCTURE (primary substructure + EasyChange secondary substructure)

total flooring height 67 mm with possibility of **fixing to the ground.**



DOUBLE SUBSTRUCTURE (primary substructure + iFly secondary substructure)

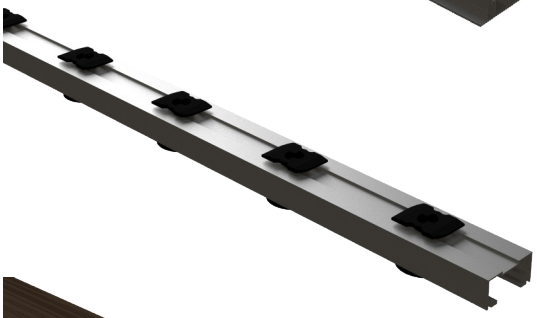
total flooring height 50 mm with possibility of **fixing to the ground.**

DOUBLE SUBSTRUCTURE (primary substructure + EasyChange secondary substructure + pedestals)

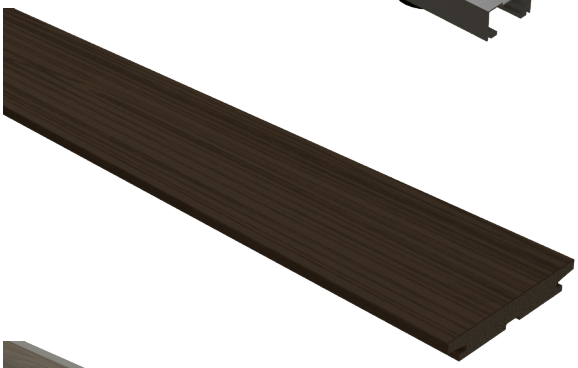
to be used when the height of the finished flooring exceeds 67mm. You must always **use the primary substructure.**

Technical information about components

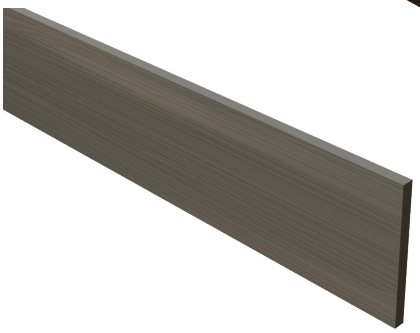
Aluminium substructure for Primary substructure.
H 20 x 60 x 2170 mm;
H 14 x 60 x 2170 mm;
H 6.8 X 46 X 2170 mm;



Aluminium substructure for pre-assembled secondary substructure with clips for EasyChange / iFly system.
H 30 x 50 x 2170 mm;] Easy Change System
H 20 x 46 x 2170 mm;]
H 14 x 46 x 2170 mm;] iFly System
H 6.8 x 46 x 2170 mm;]



Duro 2.0 Board
H 22 x 140 x 2180 mm



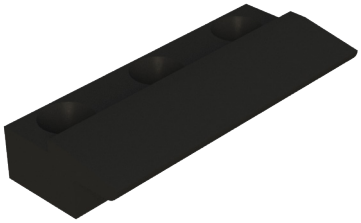
Finish profile DURO 2.0 H 12 x 150 x 2180 mm

Etherno Bamboo Board
H 20 x 137 x 1870 mm

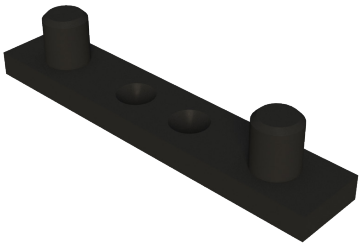
Finish profile ETHERNO BAMBOO
H 20 x 140 x 1870 mm

Technical information about components

iFly Clip.



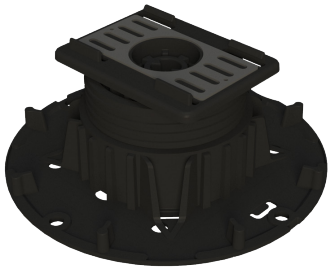
Start/End Clip.



iJack head connector (only for Duro 2.0).

EasyChange key (for locking/unlocking the board).

Leveling disc from 3mm to 8mm.



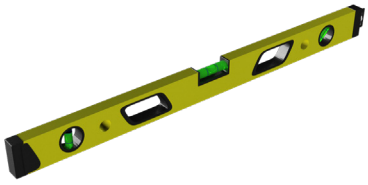
Adjustable pedestal.

Tools required for installation

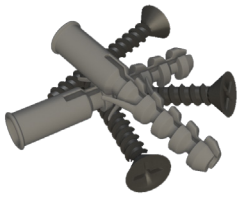
Meter

Drill / Screwdriver

Silicone and glue for outdoor mounting

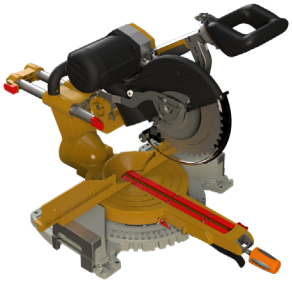


Level



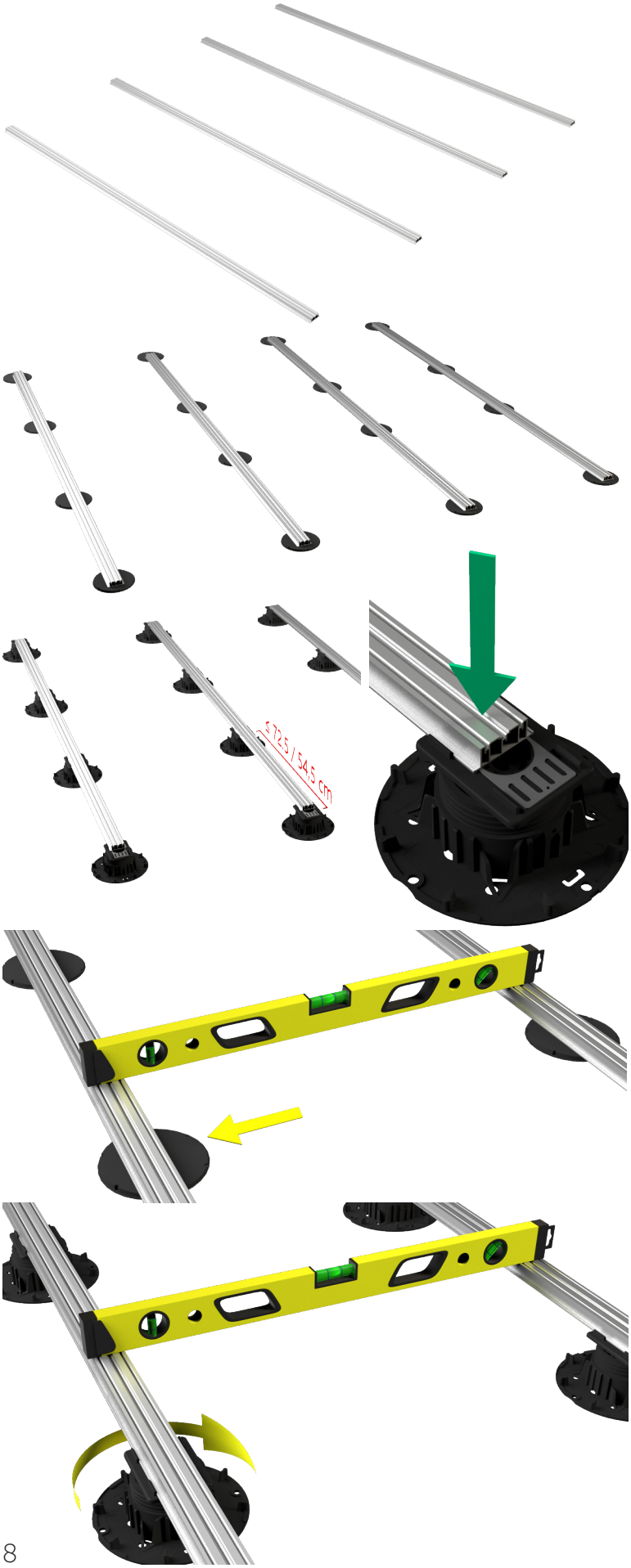
Screws and/or stops for fixing the substructure

Hacksaw



Sawing machine

Primary substructure



1) Place the **primary substructure** at correct wheelbase.
Structure H20x60mm - Wheelbase ≤ 72.5 Cm
Structure H14x60mm - Wheelbase ≤ 54.5 Cm
Structure H6.8x50mm - Wheelbase ≤ 30.0 Cm

2) IInsert the 3-8mm regulators disc under the primary structure or in case of need the adjustable pedestal.

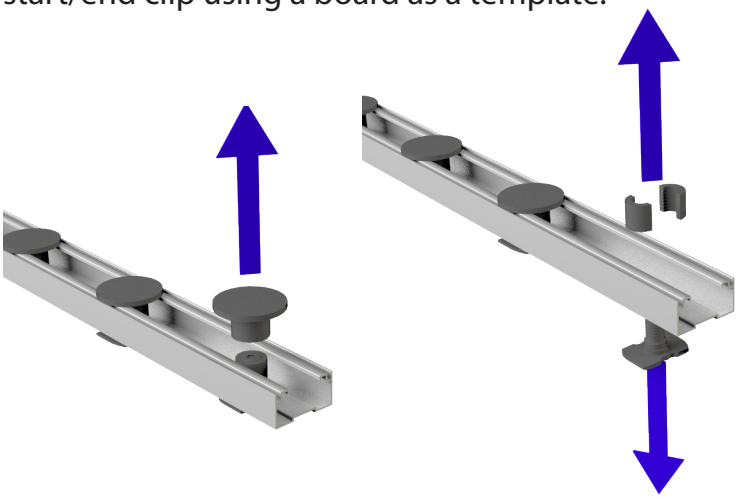
3) Adjustable pedestals and regulators disc 3-8 should be placed at the same wheelbase, which varies according to the structure primary used.
Structure H20x60mm - Wheelbase ≤ 72.5 cm
Structure H14x60mm - Wheelbase ≤ 54.5 cm
Structure H6.8x50mm - Wheelbase ≤30.0 cm
3/4 feet per structure. the pedestal at the start and end will be shared with the next structure.

4)The 3-8mm regulators disc, must be inserted under the structure and pushed until they reachof the plan.

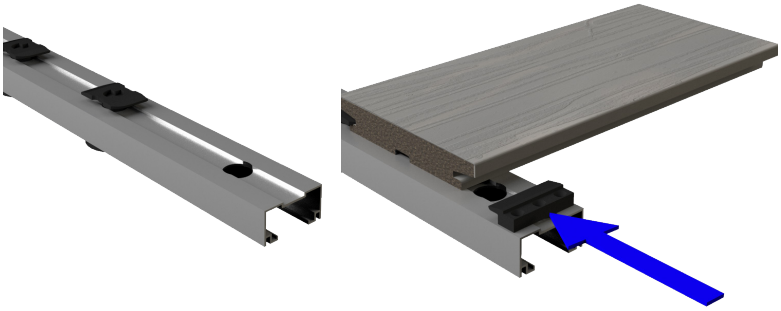
5) The pedestals must be positioned under the metal profile . Press the structure all the way to fit it correctly on the head. The pedestals are telescopic , just rotate the body of the foot to raise or lower it.

Start / end clip placement

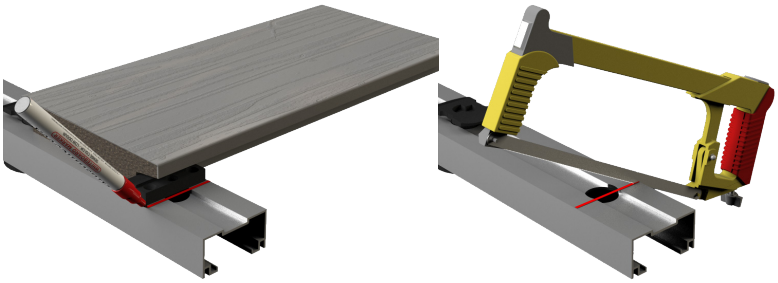
Before installing them, it is necessary to prepare **the secondary substructures with clips**. Start in the perimeter parts where the flooring is near fixed elements (houses, walls, etc.). Position start/end clip using a board as a template.



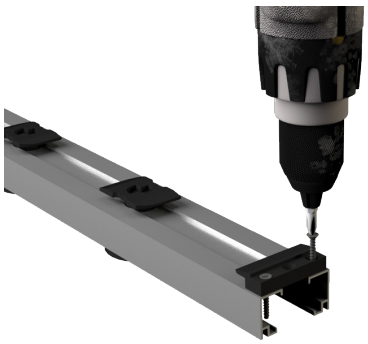
1) Turn the bar and pull the cap to Remove.



2) Place a Board, push it towards the easychange clip and place a start/end clip by placing it on the milling, leaving a minimum tolerance space. In this way you have the exact measurement to place the start/end clip.



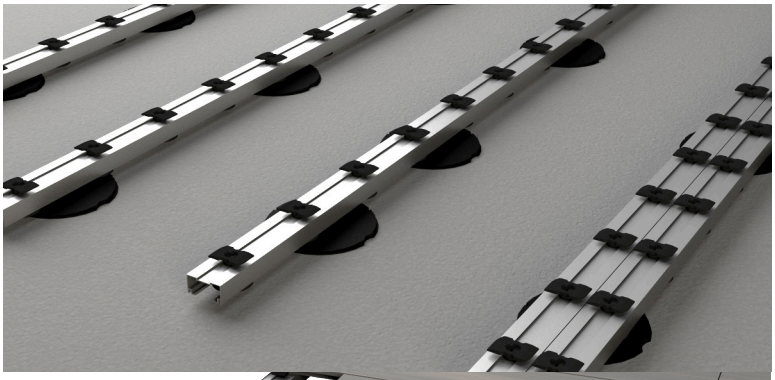
3)Draw a mark with a marker and cut off the excess part of the structure.

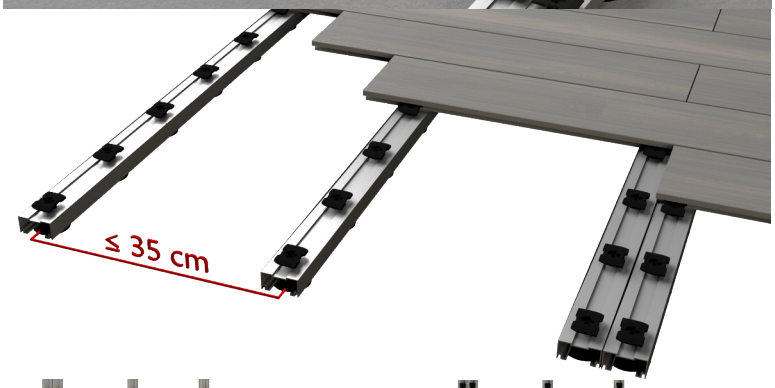


4) Screw the start/end clip using self-drilling screws of adequate length.

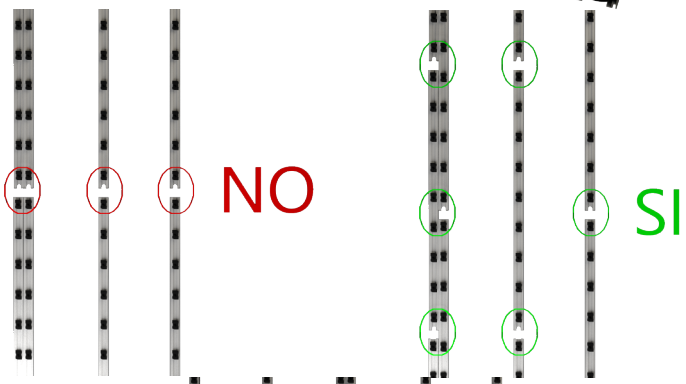
5) Verify successful execution inserting a board.

Secondary substructure

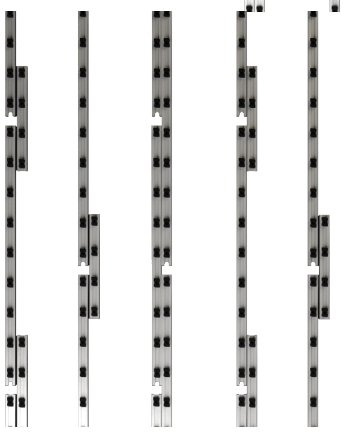




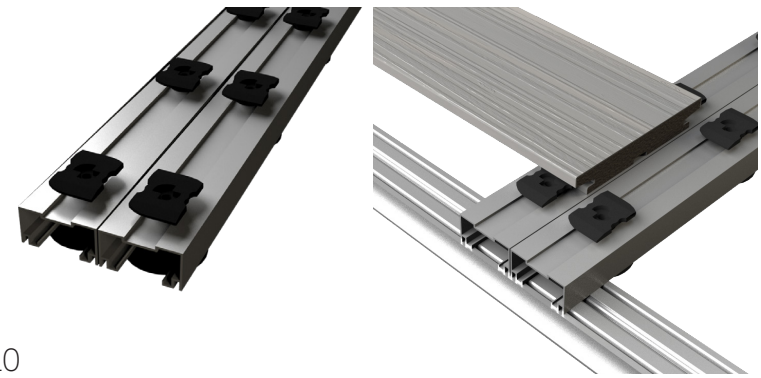
1) Place the **secondary substructure with clips** at a maximum distance of 35 cm. The secondary substructure can be fixed both to the existing base (flooring or screed) and to the primary substructure. N.B. use the 3-8mm regulator discs under the secondary structure if it is to be fixed directly to the base below.



2) The assembly of the substructures must always be staggered thus avoiding that two junctions meet in the same line.

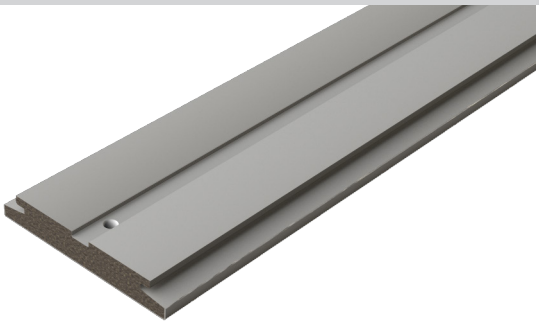


3) in some cases it may be appropriate reinforce the structure with additional pieces about 40 cm in proximity of the joints. Especially useful when it is not can offset substructures as in the previous example.

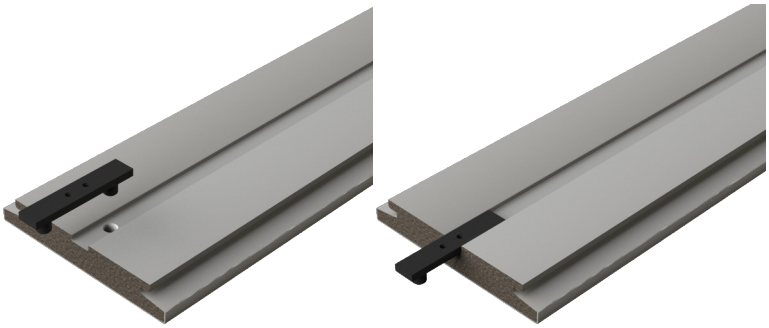


4) Start placing the boards and once you have established the design of the flooring, you will know the points where the boards join head; at these points, it is necessary to double the Secondary substructures to give greater stability to the head of the board.

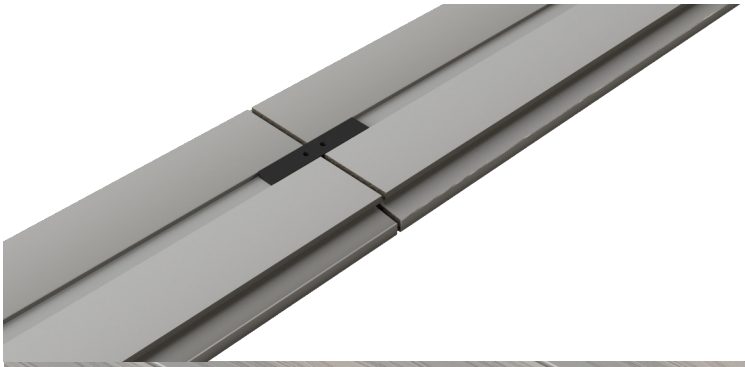
iJack installation



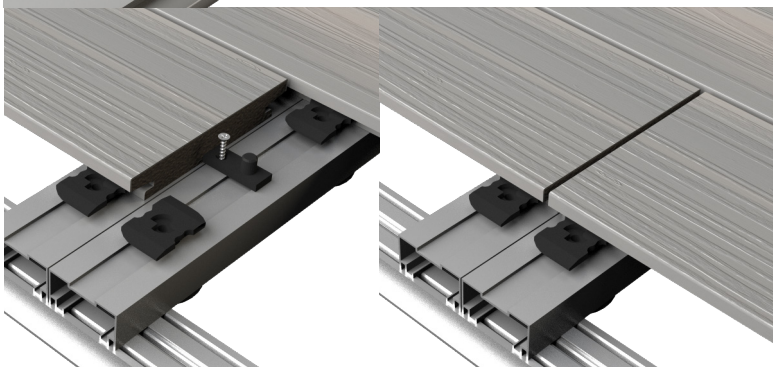
1) During the preliminary installation of the board, place the ijacks.
All boards are delivered perforated to allow a quick inserting of the Ijack connector.



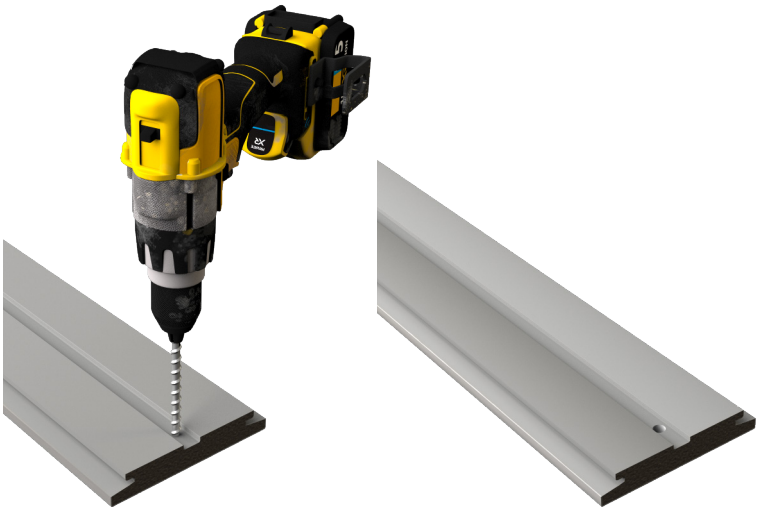
2) To insert it just place the connector above the hole and press it.



3) Example of connection with Ijack seen from below.



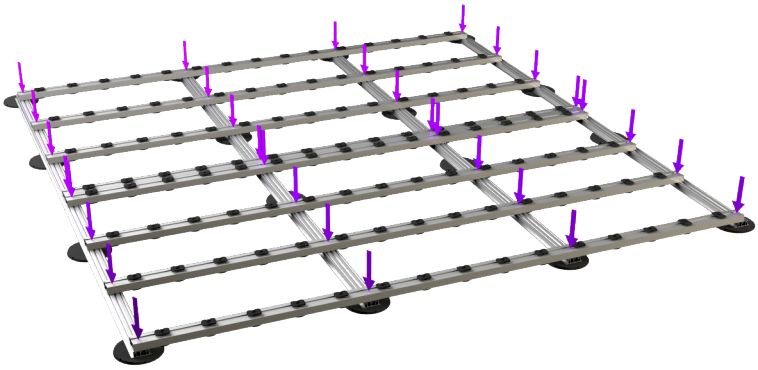
4) Place the board and fix the iJack connector on the substructure; the next board will fit
perfectly above it, leaving the distance Predetermined between the board.



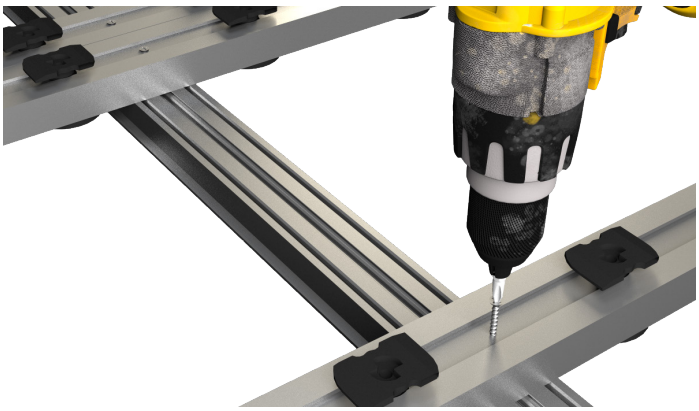
5) In case there is a need to cut the board several times, you can recreate the hole for the iJack by drilling the board in direction of the length, with the same distance from the cutting edge as the one already made. Drill it with a diameter of 10mm.

Laying boards and fixing structures

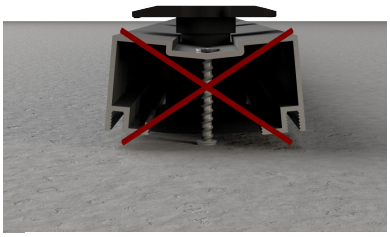
1) Install the board by skipping a row, leaving the intersections visible so as to square the structure before fix it.

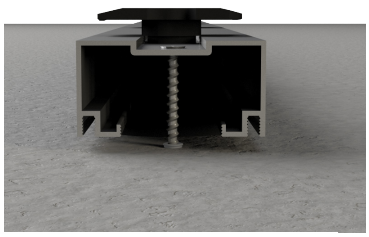


2) After having squared the entire structure and found the design of the flooring you can proceed to the fixing of the structures. Fix the substructures to each other at all intersections.



3) Use self-drilling screws. In the case of ground fastening of the secondary structure, use a kind of dowel appropriate to the existing base.



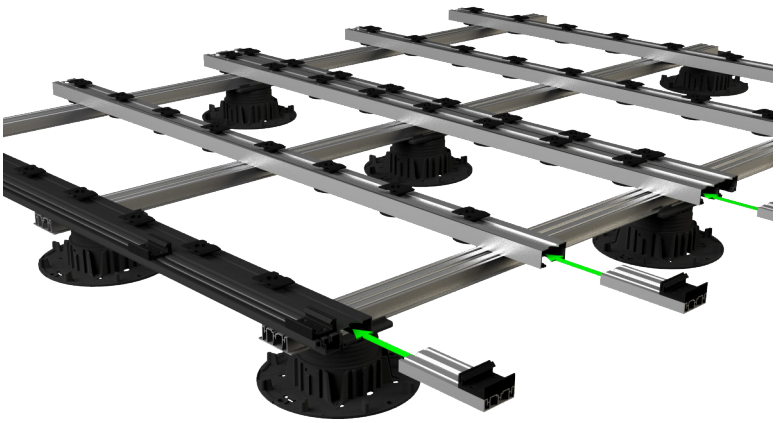


4) Be careful not to tighten the screw too much so as not to deform the structure.

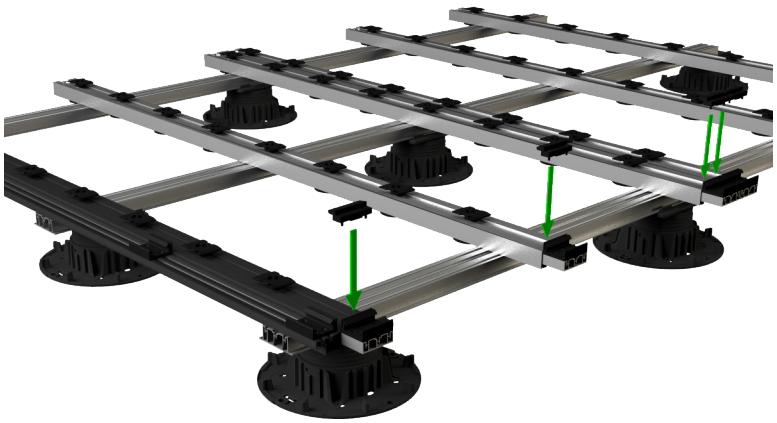
5) Finish the installation of the boards and tighten the clips with the appropriate key easychange.

Angular Finish Profile - Step-Profile

1) Step-profile angular profile can only be used with EasyChange substructures. It must be placed on a dedicated substructure that must be positioned as we positioned the EasyChange substructure (see Page 10).



2) To allow the installation of the step in the opposite direction to the direction of the EasyChange substructures, insert special mini-substructures within each piece of the structure. Insert all the way through and make sure they are all at the same distance.

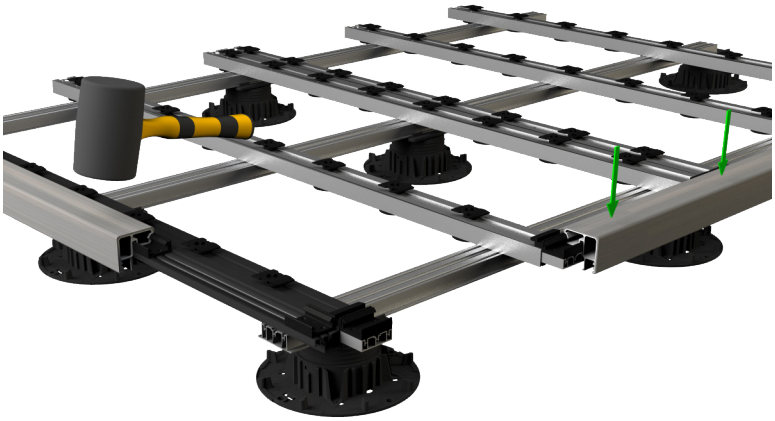


3) Insert the mini substructures first in the head and then screw the Start/end Clip.

4) Before continue put everything in position :
EasyChange structure, mini structures start/end clip.

Angular Finish Profile - Step-Profile

5) Place the Step-Profile taking care to center it well in the appropriate Clips.



6) Push all the way to fit the Step-Profile, if necessary with the help of a rubber hammer.

7) In case you need to cover a higher height insert the Finishing profile 12x150 in the appropriate guide.

8) Proceed till the end of the installation.

Angular Finish Profile - Step-Profile

9) If you want to make an angle closure, cut about 50 cm of step-profile and screw an L plate by inserting it into the appropriate rear groove