



Deck

assembling instructions



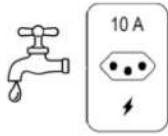
SUMMARY

NECESSARY TOOLS.....	2
PRODUCT TEMPLATES.....	3
1. DECK APPLICATION MODEL.....	4
SUBFLOOR STRUCTURES.....	4
STRUCTURE ON THE GROUND.....	5
HIGH STRUCTURE.....	6
2. INSTALLATION OF TWO-GROOVE PROFILES.....	7
3. WAYS OF FINISHING THE DECK.....	8
4. FINISHING INSTALLATION FOR DECK.....	8
5. DILATATION.....	9
6. CLEANING.....	10
7. COLOR TONE AND BRIGHTNESS.....	10

Every work must have technical monitoring.
For US Eco provides product warranty.
For more information about the warranty see our website.

Necessary Tools

Water
+
Electricity
*Power Outlet
with 10A input



Hammer
drill



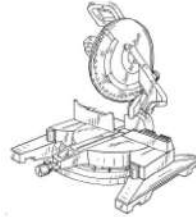
0.9"
flat drill
+
0.5"
Videa Drill
+
0.1"
Metal drill



Screwdriver
with slot and
phillips tips



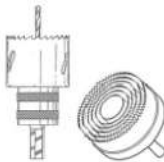
Mitter Saw
With 10" or
12" saw
blade.



Jigsaw
power tool



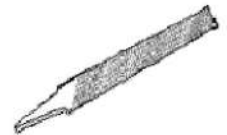
Drill Hole
Saw Kit



Measuring
Tape



Flat
bastard
file * thick



Joiner's
pencil
+ pen



Beveled
chisel



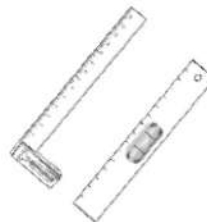
Iron plumb
with
wooden
guide



Common
hammer
+
rubber
hammer



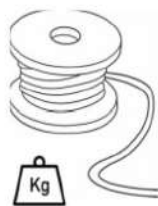
Large
square
+
bubble
level.
To measure
leveling at
nearby points



Transparent
hose
(without
nozzle tip)
to measure
leveling at
distant points



Balance
calibration
weights
+
Nylon
reel
Larger than the
total length of
the deck
installation
environment



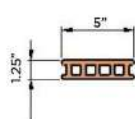
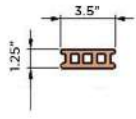
Individual
Protection
Equipment
(IPE)
+
helper



Note: for a proper workforce need to have basic knowledge level, plumb and square.

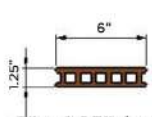
Deck profile models

in² quantification



3.5" x 1.25" (groove-and-groove) profile 39.3 in² = 437.4 linear inches
30 deck dividers per in²

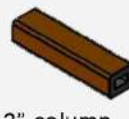
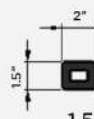
5" x 1.25" (groove-and-groove) profile 39.9 in² = 327.9 linear inches
24 deck dividers per in²



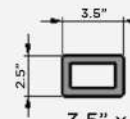
6" x 1.25" (groove-and-groove) profile 39.9 in² = 262.5 linear inches
18 deck dividers per in²

Models for deck structures

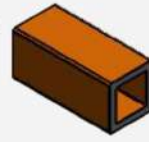
in² quantification



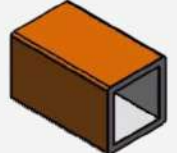
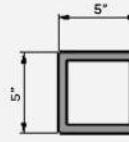
1.5" x 2" column



3.5" x 2.5" column



3.5" x 3.5" column



5" x 5" column



Refilled 2" x 1.25"

It takes 118.1" of linear structure for 39.9 in² on ground floor.
For raised deck, calculate the height of the vertical columns to reach the required height.

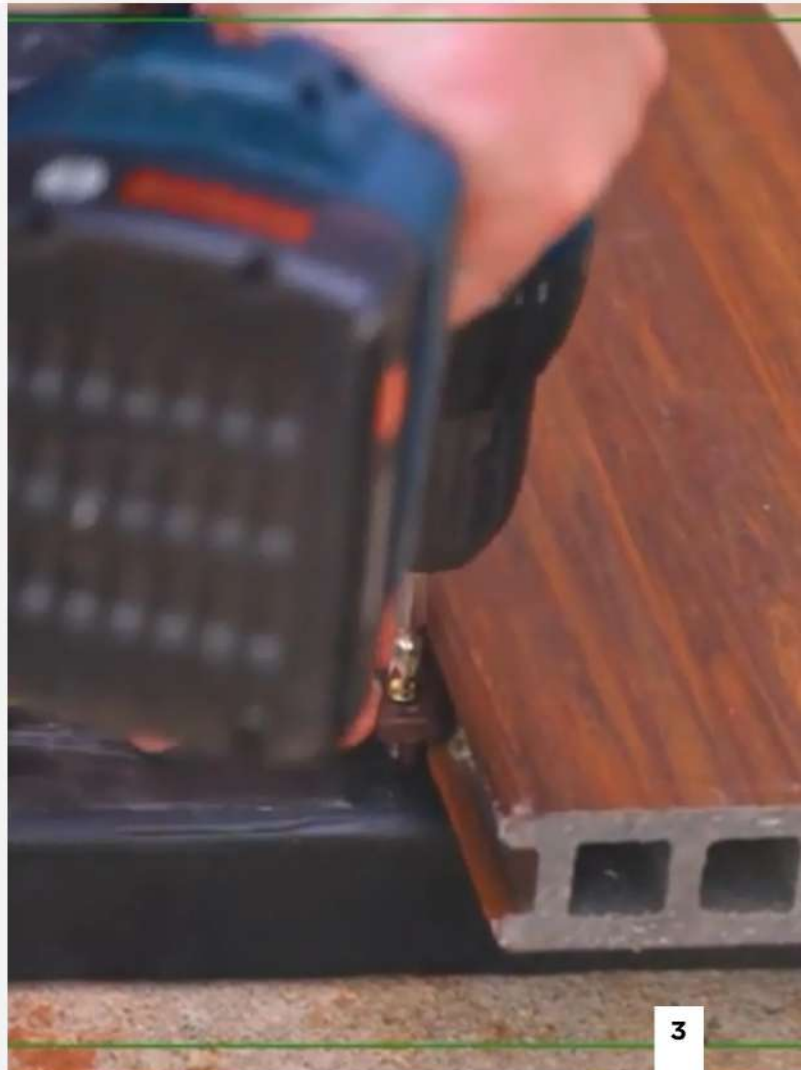
Other accessories



1.5" x 2" Edge Finishing

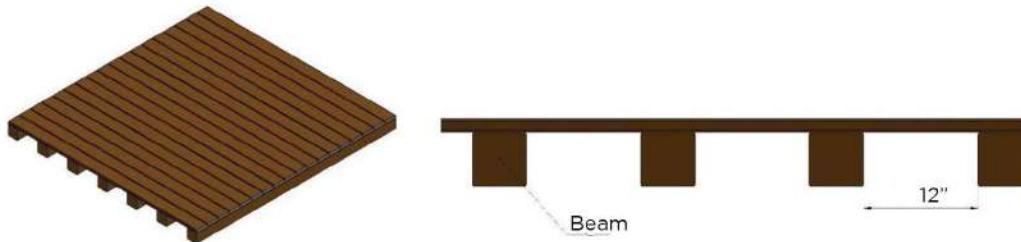


Deck divider



1. DECK APPLICATION MODEL

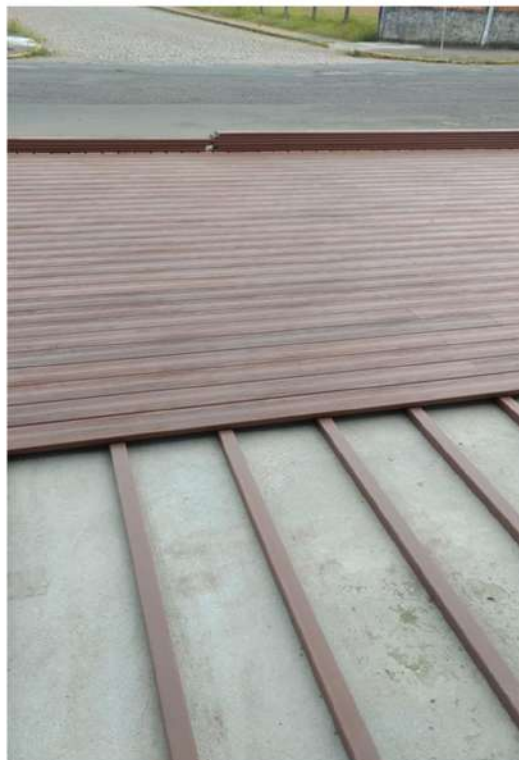
Observe the maximum distance between the decking structural beams, which is 12”.



SUBFLOOR STRUCTURES

To install the deck on a floor or concrete, it is recommended as a 2” x 1.25” refilled structure or a 1.5” x 2” column. Remember to square and level the deck fixing structure. The structure must be fixed to the floor or concrete, an 0.1” x 1.5” screw and an 8mm screw bushing is recommended.

In cases where the subfloor is uneven, it is recommended to level with a gap of up to 6” and level with mass or concrete. For subfloors with unevenness greater than 6” consider deck model with high structure. Leave free spaces for water to flow between the structures.



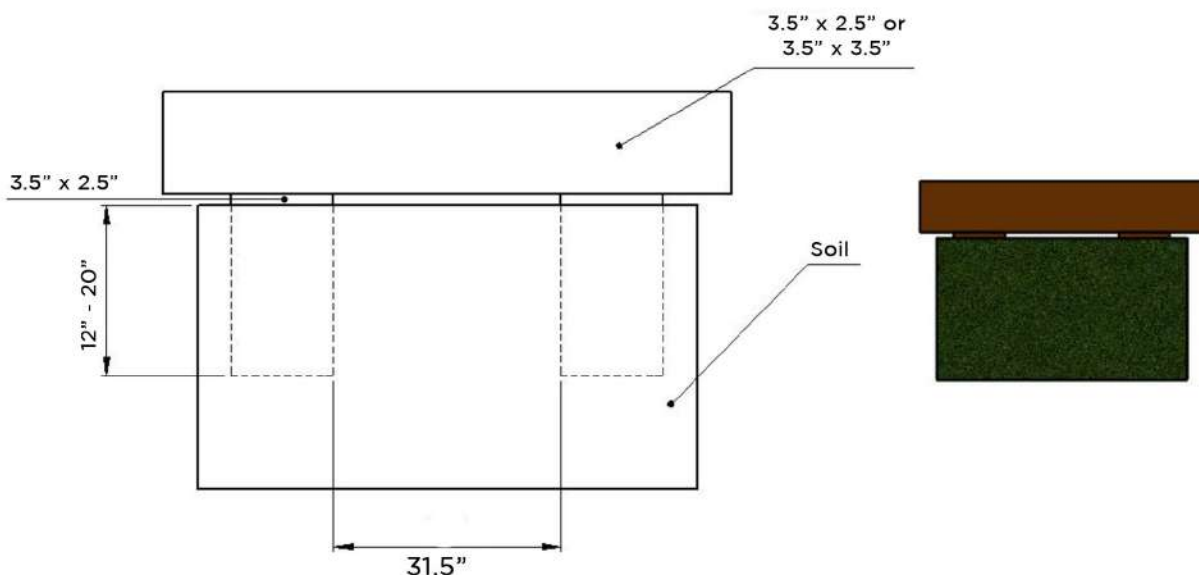
GROUND STRUCTURE

The ground surface must be level to prevent bending of the parts. Ideally, use the 3.5" x 2.5" or 3.5" x 3.5" profiles to assemble the structure. It is necessary to contain grasses and bushes by placing a tarp or geotextile blanket. In places where runoff occurs, there must be drainage and containment of rainwater to prevent the deck from floating.



Attention: put crushed stone or stone powder between the structure lines.

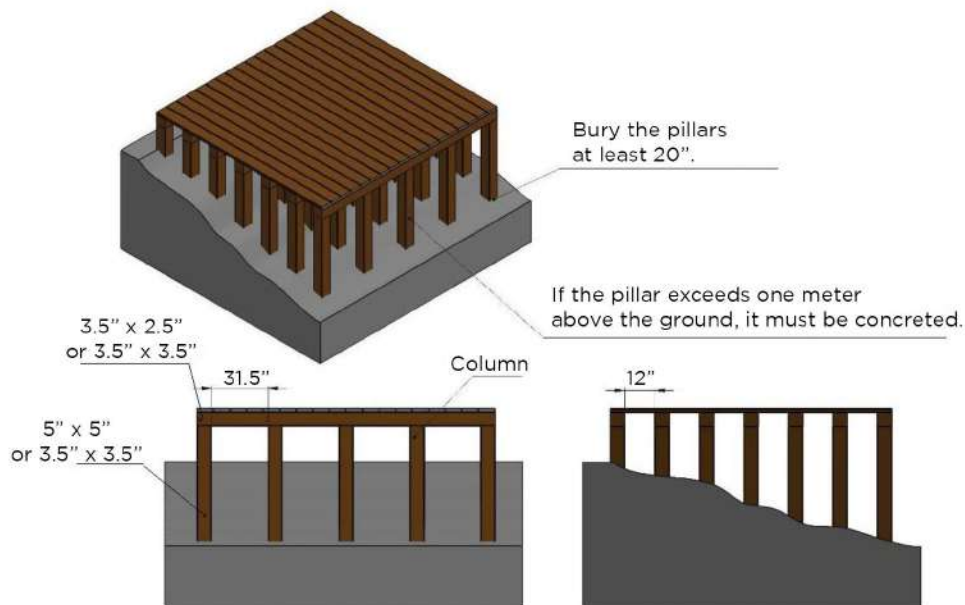
If the soil is not compacted (soft), the staking should be done according to the image below.



If the terrain is eroded, the deck may be uneven.

HIGH STRUCTURE

When assembling, observe the maximum distances of the frame spacings according to the drawing. The ideal is to use the 3.5" x 3.5" vertical column with columns of 3.5" x 2.5" horizontally for structures up to 40". For structures above 3,5 ft high use the 5" x 5" column and structure with iron and concrete internally.



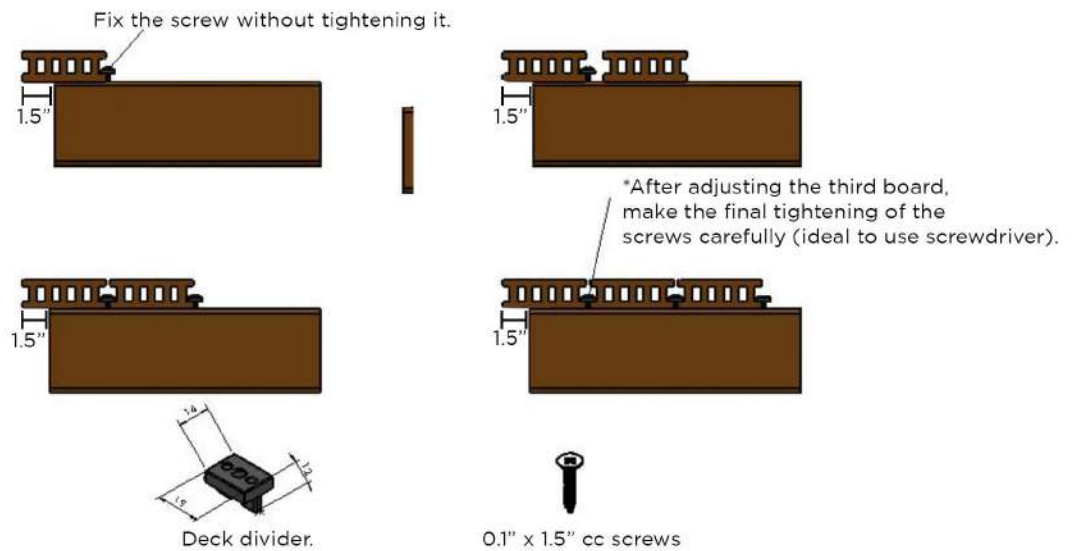
Always intersect the vertical columns for greater structure resistance.



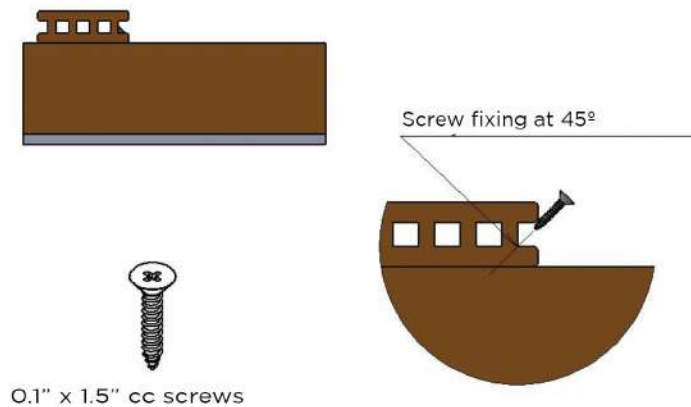
2. PROFILE INSTALLATION TWO-GROOVE

3.5" x 1.25", 5" x 1.25" and 6" x 1.25"

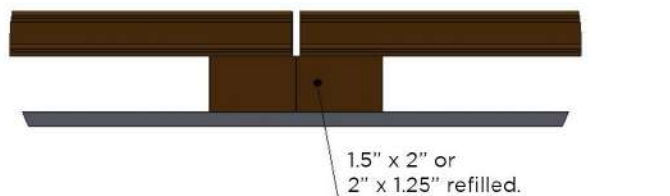
For installing a deck profile in the structure, it is necessary to leave the 1.5" gap between the edge of the deck profile and the structure, this measure corresponds to the fitting of the edge finish.



If the structure is made with the 1.5" x 2" column or 2" x 1.25" refilled, in the meeting of the joints, two structures should be used together to fix each other to the floor, as the image below.



If the structure is made with the column 1.5" x 2" or refilled 2" x 1.25", in the meeting of the seams two structures must be used together and a deck divider for each deck board.



3. WAYS OF FINISHING THE DECK

- Use edge finishing;
- Use the deck profile itself to reform the edge.

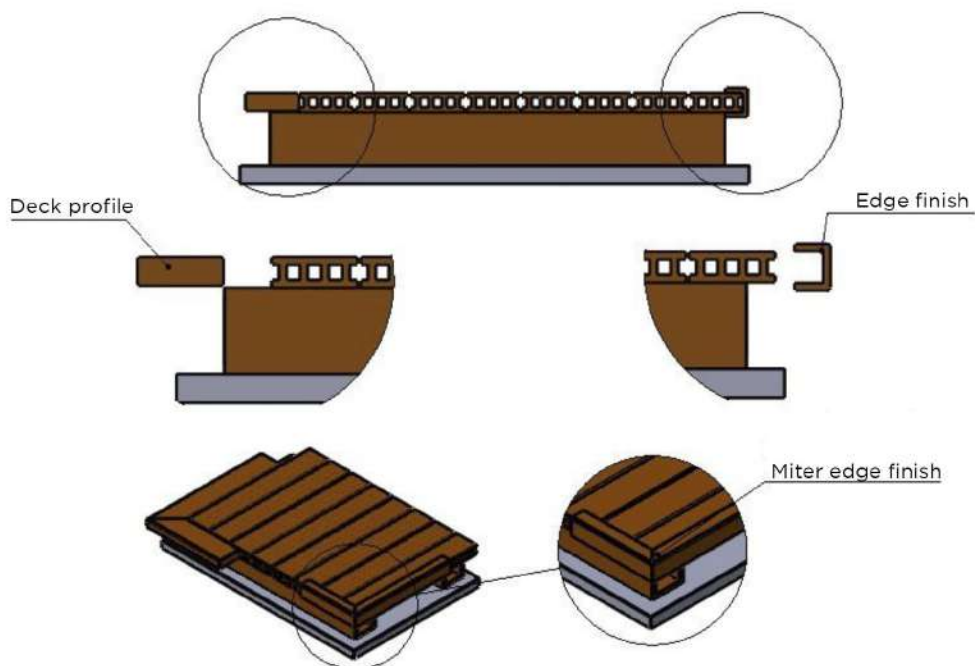


Edge Finishing

Profile

4. FINISHING INSTALLATION FOR DECK

Fix all the splices and ends of the profiles at 45° so that the screw does not appear, as shown in the image below.



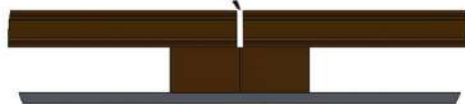
5. DILATATION

- 0.1% variation for 77 °F amplitude;
- Verify that in direct sunlight at 86 °F the deck can reach 140 °F;
- Check ambient temperature at time of assembly;
- Predict the potential for temperature variation to increase or decrease;
- Calculate the maximum and minimum profile sizes;
- Apply the calculations to the deck design;
- Respect expansion at all stages of the deck (structure, roof, finishes, etc.);
- Dilation occurs only at profile length;
- We do not recommend making amendments to the top length in pieces larger than 118.5" in length, in these cases use the pagination on your deck.

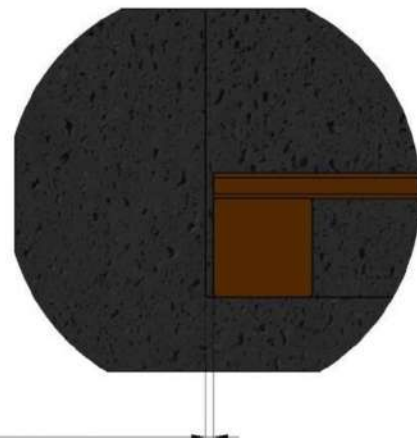


Make sure that the part is no longer dilated and adapt accordingly with it. Example: piece of 118.5" and the place of assembly reach up to 104 °F and on the day of assembly is 95 °F which means, the part is already dilated it is not necessary to leave 0.1" but 0.03", because it is at a very close temperature.

Leave the spacing for the boards for expansion and contraction of 0.1% over the length of the piece.



*Observe if the piece is already dilated: 118.1" piece has 0.1" variation on both sides.
Observe the ambient and deck temperature at the installation. Work within the thermal range. It is important to understand the minimum and maximum of your region. Avoid making amendments to pieces above 0.1". Customize your deck according to your design.



Consider the amplitude of your region, that is, make the calculation according to your region. In the above example it was calculated with the temperature at 68 °F.

6. CLEANING

Water and mild soap are sufficient to clean the deck. Do not use different products, do not test chemical materials, nothing special is needed to keep the deck clean and beautiful. High pressure washers can be used for cleaning. In textured products, move the washer towards the texture, facilitating the removal of dirt. Do not use chemicals.

For greater ease use appropriate tools. Textured products have a rustic and aged look which makes cleaning difficult. Avoid construction dirt such as concrete, plaster and paint.



7. COLOR AND BRIGHTNESS

We produce plastic wood from polyethylene and polypropylene, recyclable materials. We have color variations between batches. Every plastic product has a gradual loss of tone in any environment, whether internal or external. See our warranty on our website www.inbrasil.ind.br



A company by:



www.inbrasil.ind.br
+55 042 3135-5000

www.foruseco.com
1-561-774 0707