

INSTALLATION GUIDE: WPC

Tools

No special tools are required; But for the best result, we recommend:

- Circular saw blades with fewer teeth (like 18-24, on a 45cm blade) are recommended. They stay cooler and last longer.
- We recommend using 4*30mm (Minimum) self-taping screws for use with our hidden fixing clips.
- Corrosion resistant screws are recommended.
- Screw gun is recommended to do the job with a number 2 Phillips head bit.
- If using a power tool, we advise to adjust the tool in such a fashion that the screws can't be fixed too tight.

Installation

Step 1-1

- Place the composite joists on a durable bearing structure or tiles (300*300mm). Don't fix the joists to the foundation due to expansion by moisture.
- Never use the joists for construction purposes.
- When the boards will be placed diagonal on the joists, reduce the distance between the joists to max.250mm.

Step 1-2

- Place the joists on a maximum distance of 400mm.

Step 1-3

Install the First Plank

- The beginning and finishing plank must be fixed with screws through the side groove of the boards.
- Method of starter clips can also be used to install the first plank.
- When screws are fixed closer than 30mm to the edge of a board, we advise to pre-drill in order to avoid splitting the board.
- Using a composite support construction, be aware of material extension and leave always enough space (min.30mm) around your terrace especially to obstacles.
- To ensure proper drainage the deck should slope min5mm/m.

Step 1-4

Position Fasteners

- Fully insert the hidden clips into grooved edge of plank. Screw hole should be lined up with the centre of support joist.
- Ensure that the counter sunk section of the hidden clip is exposed as in the diagram below.

Step 1-5

Install Fasteners

- Install screws at 90° angle through the hidden clip and into the joist while applying sideward pressure on the decking to ensure that the tabs are hard up against the inside of the decking groove.
- Install one hidden clip and screw at each joist.

- Make sure hidden clip is in full contact with the groove on the inside of the decking and the screw is holding the hidden clip down tight to the joist.
- Screw holes should be lined up with the centre of the joist.

Step 1-6

Complete Installation

- Place the next plank into position against the hidden clips. Slightly raise the outer edge of the plank being installed and slide it onto the hidden clip until the decking plank contacts the spacer tab.
- A light hand tapping may be required.
- The last plank will need to have the outside edge attached using the method described in step1-3 and step 1-7. It may be necessary to rip the last plank to fit.

Step 1-7

How to Finish Grooved Edge on Decking Boards

- The solid BD62S10 profile can be used horizontally or vertically to hide the grooved side of the of the BD145H30 decking boards at the edge of a deck. This profile must be fixed with 50mm countersunk screws (preferably in the same color).
- End caps or aluminum end or WPC L shape profiles are also a convenient way to finish the end of decking profile.

Step by Step- Images.



Make a plan



Get out your tools



Determine a definite height



Gap to base profile



Orientation of distance and height



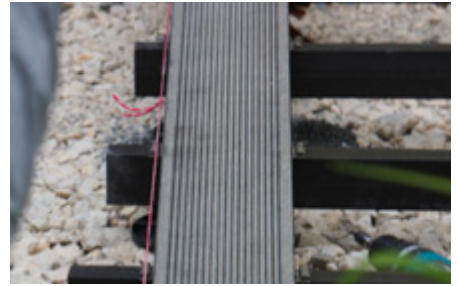
Use a surface plate to transfer the height



Check the slant: the wooden cube glued underneath corresponds to the difference in height



Cut the decks to size, put on end caps on one side



Determine the angle of the first deck in correspondence to the house



Screw the first/last deck through the profile



Press the bracket on



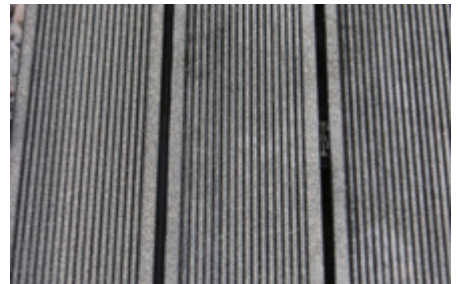
Insert the gap-aid, press the deck down and screw it on through the bracket



Straighten the decks



Close the profiles with the end caps



Finished!