

CO-EXTRUDED FLOOR CO-04

# Installation

**COOWIN GROUP**

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# WPC OUTDOOR DECKING INSTALLATION GUIDE

## INFORMATION ABOUT PRODUCT

### COOWIN Decking Floor Installation Introduction



Coextruded decking is the latest wood composite decking in the market. It uses modern technology to bind multiple colours onto the wood composite decking surface.

With this multiple colour application the coextruded decking takes on a more natural and colourful finish.

Co-extruded decking floor is a safe, environmentally responsible alternative new material which doesn't need painting and glue for its special manufacturing technique and characters. It is eco-friendly product.

The main material wood powder is scrap from furnish factories, and another material is recycling plastic.

Containing of natural fiber, the WPC product not only has high degree of anti-UV and weather resistant properties, but also easy to machine during production and usage. It has the character of highly resistant to moisture and termites, no rotten, no cracking, consistent color stability, so it can be widely used in the outdoor.

Save trees, save forest -----To protect our environment by starting to use WPC products.

Congratulations on the purchase of your composite decking product from wood plastic composite decking.

The following installation and maintenance instructions will guarantee a long life for your decking.

### Storage

Please Store WPC decking boards in their original packaging, preferably in a well ventilated roofed place.

### Important points for installation



1. Slight color and surface differences may occur due to slight differences in raw materials or surface treatment. This ensures your decking will have a natural appearance.
2. It is advisable to place the project sections in the required installation site for 72 hours before you start install to acclimatize them. Don't install the project sections if the temperature is below 0 °C.
3. We advise you to use original accessories and parts from WPC decking, must be a space of at least 25mm between the ground and the substructure. In case of insufficient ventilation any guarantee will be invalidated. Direct Contact between the Installation area section and the grass or ground must be avoided at all costs.
4. Variations in temperature and moisture uptake will result in expansion (about 0.3% to 0.5%) of the sufficient distance expansion between the Installation area sections, all around the Installation area and by walls, fences and trees.



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5. A strong and compacted base such as concrete, gravel, grit or something similar is necessary.
6. Before you start ensure there is a level base and remove all weeds. To prevent weeds growing, we advise laying root-stop fabric under the structure. Make sure the ground base is clean, dry, stable, solid and smooth – a slope of 2% will provide the correct water drainage.
7. WPC product is not suitable for closed and wet places without air ventilation and/or environment with significant difference temperature change (such as sauna room).
8. The method of installation is very important to the product; wrong installation may cause less durability or some damages of the products. Check the material before installation. Report all damages and defects to the vendor before installation. Start of installation means the appearance and standards have been approved by the client. Trust a professional installer with the installation. It is suggested that more than two people working together during installing the project. WPC decking should not be used for columns, beams, joists, support posts or other loading bearing segments. Failure to follow instructions will void the warranty.

## Main components:



Co-extruded decking floor



Joist



L corner



SS clip



SS screw



Expansion screws



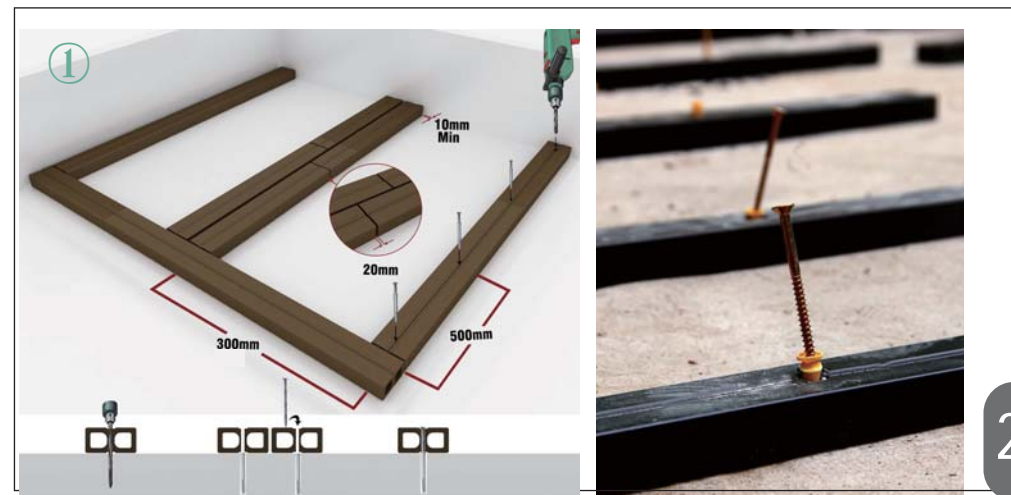
## Tools recommended:

Electric drill + Screwdriver + Impact drill + Hammer Electric drill is a must for drilling holes for screw in WPC decking bearers, decking and side covers.



### First step: prepare the substructure

1. Ensure good drainage. for this reason lay the substructure with a slight gradient of 1% to 1.5% away from the house, laid lengthwise. Keep the keel at least 10mm from the walls or other obstacles to allow for expansion of the WPC products.
2. Please keep the distance of two joists at maximum 30cm between centers complete flat or slightly sloped concrete ground. Then we come to the step of installing supporting joist.



2



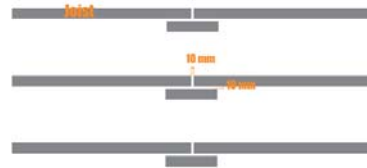
# WPC OUTDOOR DECKING INSTALLATION GUIDE

## Attention point:

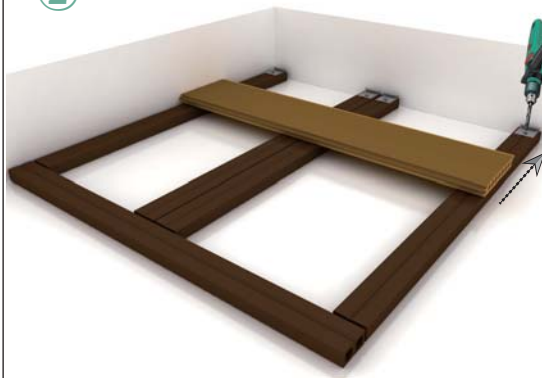


1. Normally the joist should be fixed by expansion screws to the concrete at a distance of about 30cm.
2. If the decking project is very big, you can also lay the support joists floating on the base to allow for movement without fixing.
3. Please note that it is an absolute must that the decking surface is mounted flat and no water can collect on the surface or in the chambers. If water collects in the chambers for a longer period the boards start cupping and waving because of the moisture expansion., so please leave the surface inclined 1,5-2% in board direction so that there is no danger of water collection.

4. There must be a 10mm expansion joint between two joists cross profiles, if there has to be a clip upon this expansion joint, it is necessary to add a small joist as shown right:

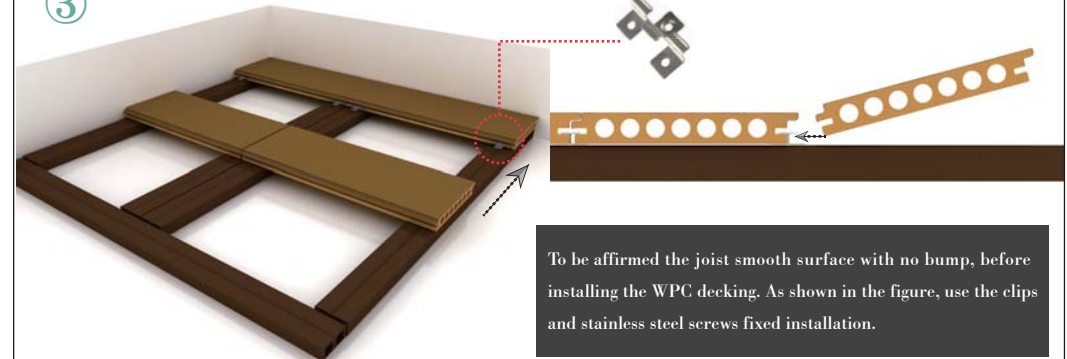


②



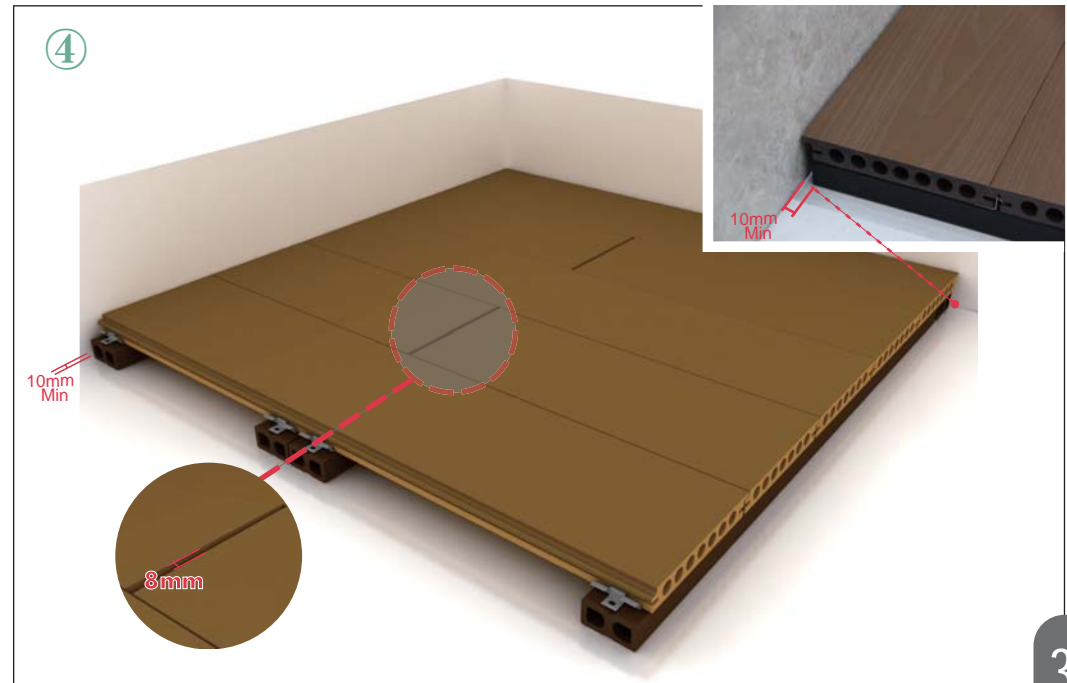
WPC decking offers starting clip / starters for the first deck board during installation. For this, firstly fix the entire starting clip on the joist on line, and then push the first wpc decking board to the starting clip to fix. Important: when fixing the starting clips or the connecting clips, pre-drilling with a 2.5mm bit is necessary to prevent cracking or breaking the sub structure because WPC products has high density which does not allow directly nail or screw.

③



To be affirmed the joist smooth surface with no bump, before installing the WPC decking. As shown in the figure, use the clips and stainless steel screws fixed installation.

④

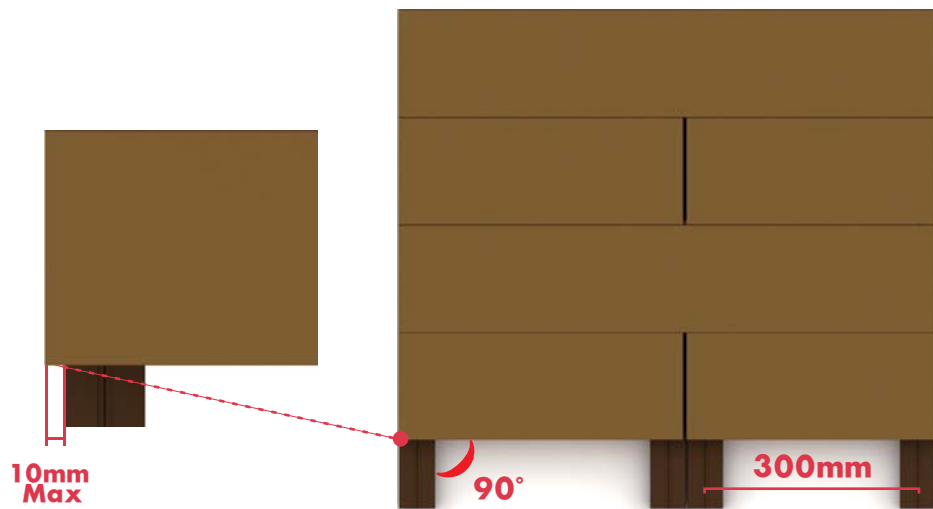


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## Attention:

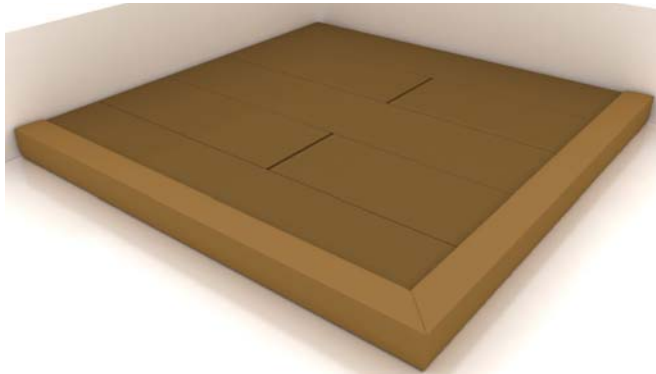


1. Please make sure that there is one joist under one deck board at any time, especially when there are two deck boards meet together. Never allow two deck boards ends share one keel, otherwise the deck board might be shrink and fall off from keels or have other problems.
2. Make sure that the decking project sections extend by no more than 10mm over the support joists.

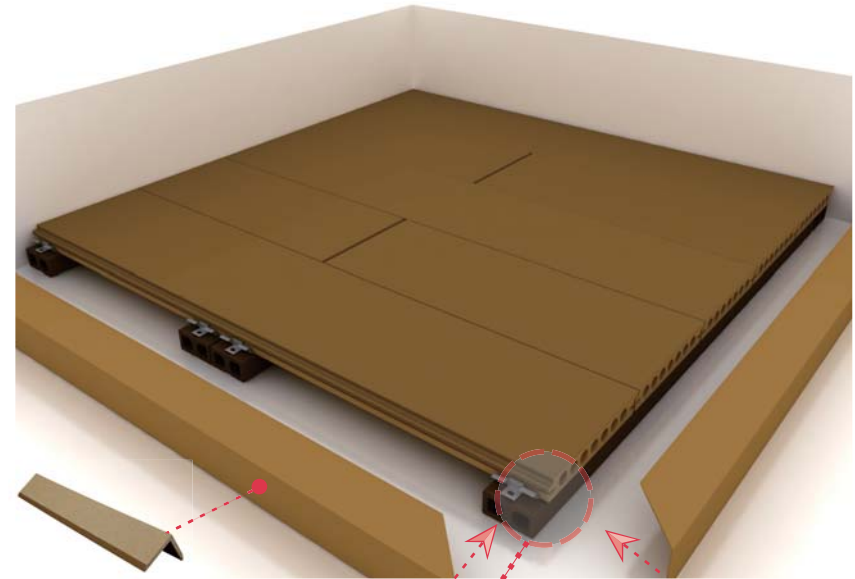


⑥

The installation is complete.

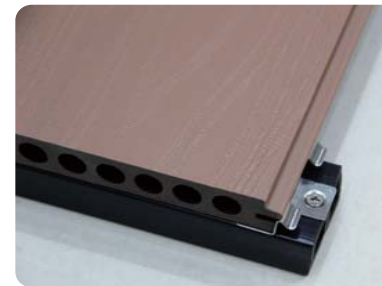


⑤



Fixed the L corner with screws to complete the installation.  
The distance between the fixing screws have to be maximum 30cm.

Cutting the L-corner to 45 degrees and stitching at the corner of the terrace decking.





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## Maintenance:

Make sure that you regularly clean the wpc decking in order to prevent dust accumulation , or a variety of stains, otherwise the dust may become even more difficult to remove after a long period. One thing you need to find out before deciding on how to clean your decking is what type of stains your wpc decking have we recommend to clean a small part of stains as a testing ground in order to prevent too much chromatic aberration. If the result is good, then this approach to other stain removal area. You can open the tap washing directly out the dust dirt and mud from wpc decking.

The decking can be cleaned with a brush/sanding paper, or with a high pressure cleaner. If you clean the project with a high pressure cleaner, you must keep a distance of at least 30cm from the terrace sections. If necessary you can use a neutral soap. Make sure that the detergent doesn't attack plastic. Following is some recommendations in details:



### ① **Water stains**

There will be some water stains on the surface of the newly installed place when the water evaporates after rain.

It is temporary phenomenon which will disappear in few days later about by itself. It can be cleaned by wiping the surface with steel wool.

### ② **Mud, dust, etc.**

Clean decking to remove dirt by using hot water with soap. Sand it with stiff bristle if needed.

### ③ **Scratch, oil stains, alcohol stains, and cigarette stains etc.**

which are hard to be removed from the surface Use steel wool or sandpaper carefully to try to remove the stain. Then sand surface and clean with hot water with soap.





## About COOWIN

Coowin Group (hereinafter referred to as Coowin) was established in 2000 and the headquarters is located in Qingdao, China. Owing independent high technology manufacturing factory and sales service company, Coowin is one of the leaders in wood plastic industry. Coowin has engaged in WPC materials producing, R&D, selling and developing potential market demands for many years. Coowin's products has been exported to more than 80 countries worldwide and has received broad customers' recognition in both production quality and our service.

Coowin's main production as follows: outdoor WPC decking floor, outdoor WPC wall cladding, outdoor handrail, outdoor pergola, WPC pallet, WPC park bench/chair, WPC flower box and other decorative material used in outdoor fields. Besides above, also accept customized production according to customer's personal demands.

As China's first batch of wood plastic material manufactures also R&D leaders, Coowin has passed the national environmental protection inspection every year since 2010. Meanwhile Coowin has invested heavily in WPC technology innovation, production equipment updating and environmental pollution control system.

One Hundred Years, We Focus On The WPC

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