

WPC Composite Decking

Installation Guide

2023

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Prior to installation:

- 1) Products need to be installed on a clean flat solid surface
- 2) WPC decking is required to be installed onto joists, to ensure there is enough space for drainage and aeration-drying.
- 3) If possible, when using WPC joists please install 72 hours prior to deck installation for acclimation

Install Decking Joists/ Sub Frame

WPC Decking can be installed on either Timber or Composite Joists/ Subframe .

For uneven ground levels we recommend setting concrete pads to level/support the subframe.

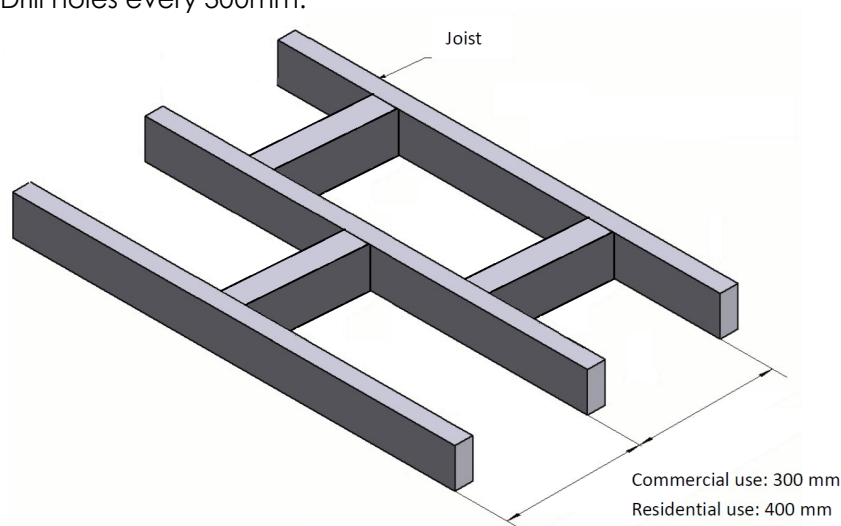
For Residential use, Install Joists to solid ground at 400mm spaces

For Commercial use, Install Joists to solid ground at 300mm spaces

Drill holes along the length of the Joist:

For Residential use, Drill holes every 400mm.

For Commercial use, Drill holes every 300mm.



Install End Clips

- 1) Install the joists at the correct required distance (Residential 400mm, Commercial 300mm)
- 2) Fix End Clips with screws into the predrilled holes. (Figure 2)
- 3) Insert the edge Decking board into Clips Slot. (Figure 3)

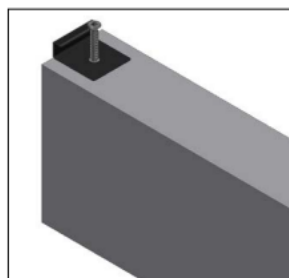


Figure 2

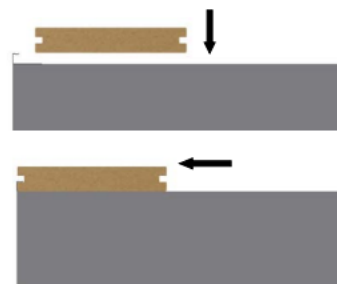


Figure 3

Install Deck, Method 1 (Plastic Locking Clips)

1) Put the boards in position. (Figure 4)

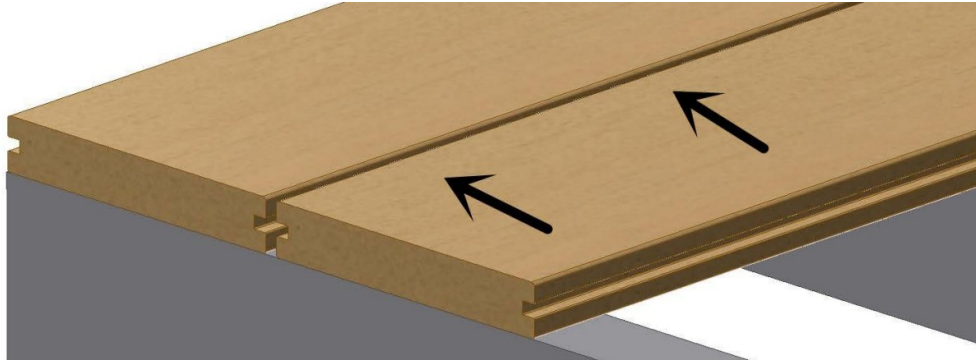


Figure 4

2) Slide the locking Clips and Plastic Clips in along the groove. (Figure 5)

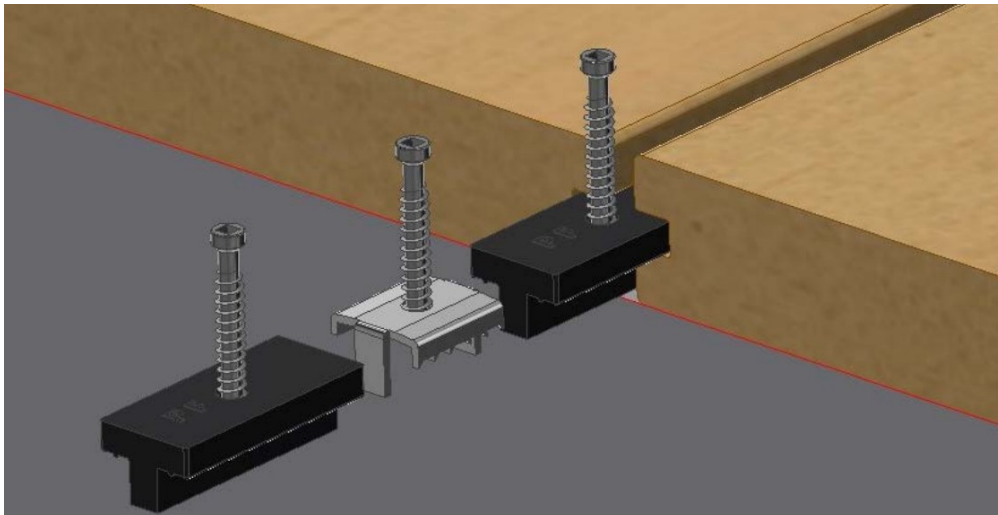


Figure 5

EACH BOARD REQUIRES ONE LOCKING CLIP IN THE MIDDLE.

3) Pre Drill the joist and fix all the clips with screws and repeat the process (Figure 6)

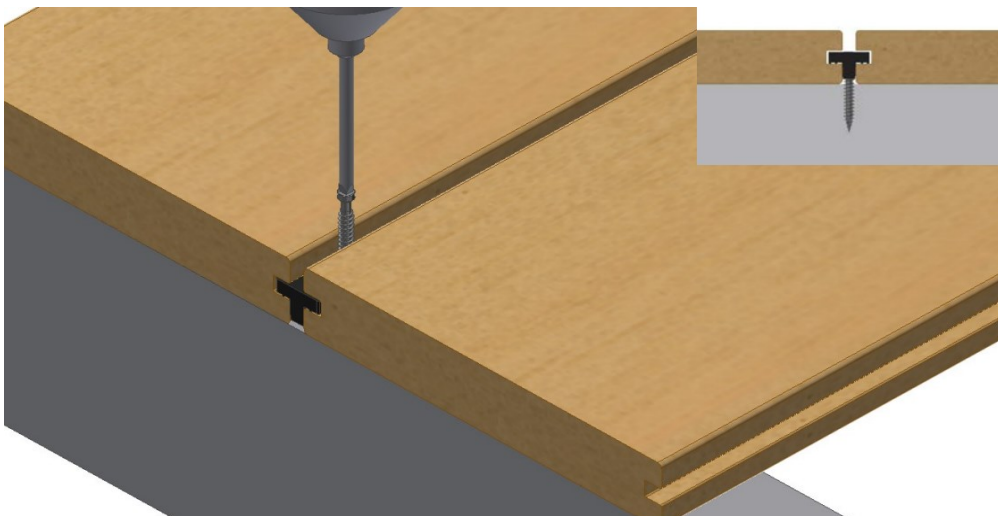


Figure 6

Install Deck, Method 2 (Steel fixing Clip)

1) Put the steel clips in place. (Figure 7)

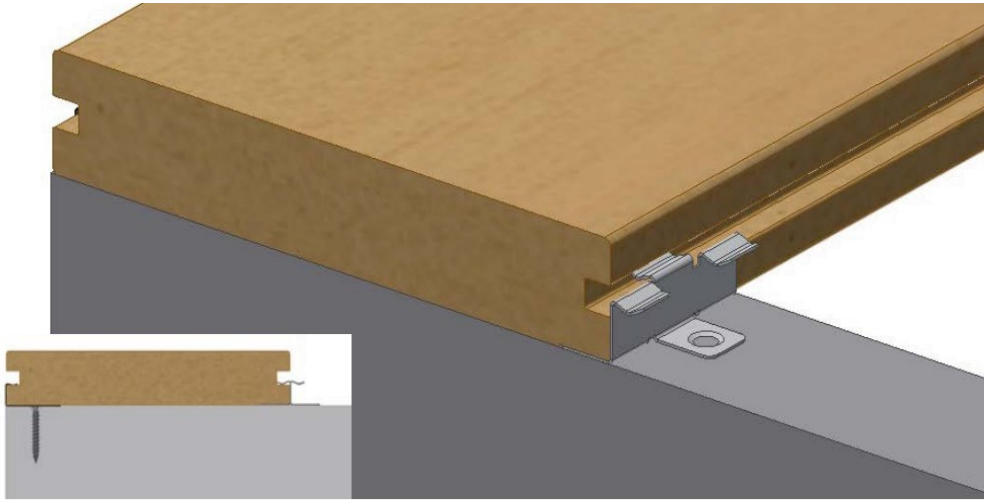


Figure 7

2) Pre-drill the joist then fix the clips with screws (Figure 8—9)

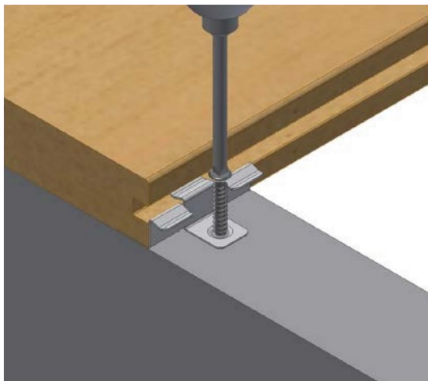


Figure 8

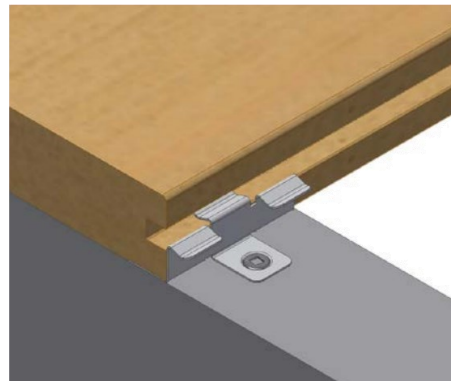


Figure 9

3) Push the board into position and repeat the process (Figure 10)

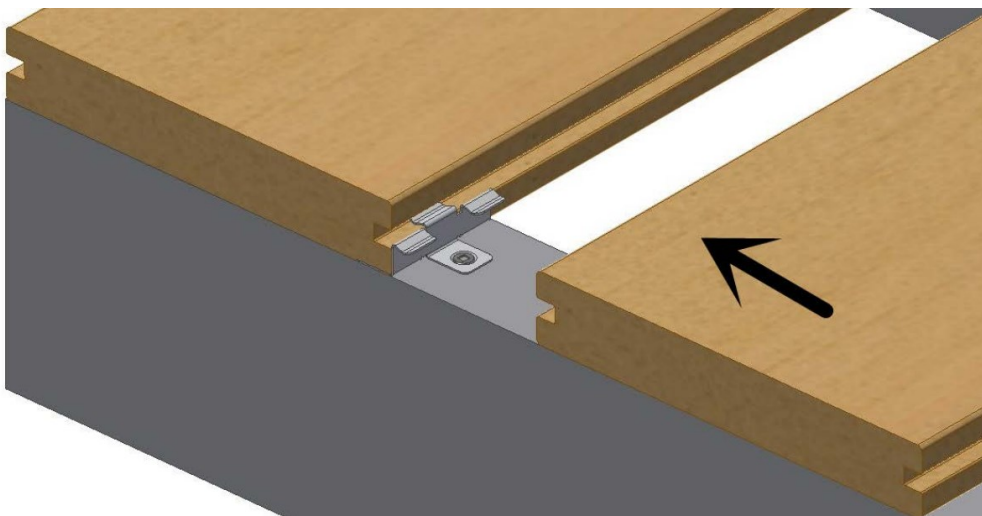


Figure 10

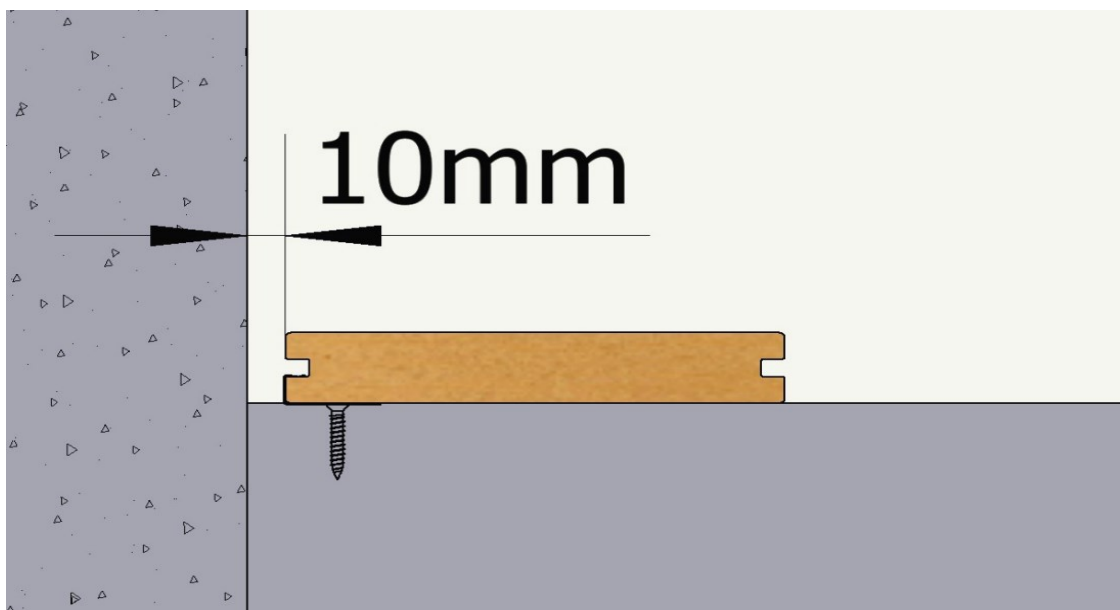
Install Skirting Profile

1) Pre-drill the skirting board according to the actual joist span, then fix with screws.

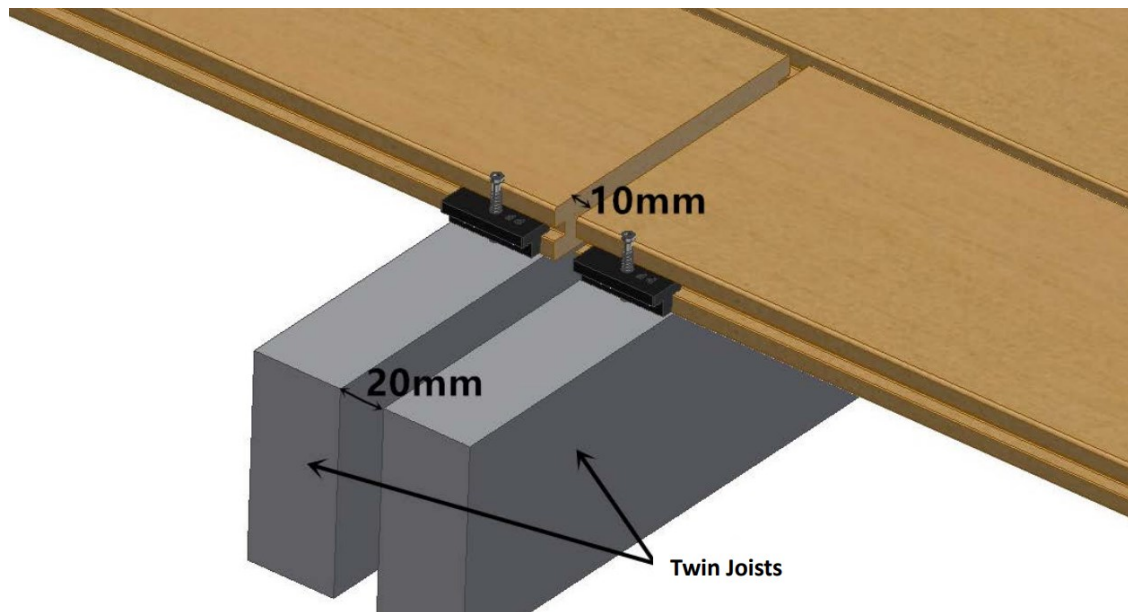


Notes:

1) When installing against a wall or any obstacle, leave a minimum gap of 10mm.



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- 2) Two joists are necessary when installing the end of the decking. We advise leaving a minimum gap of 20mm between joists, and a minimum gap of 6mm between decking boards. This is to ensure fast drainage of surface water to avoid expansion.



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- 3) We recommend to increase the height between the decking and ground to be used as a drainage channel, this is necessary for ventilation and to avoid expansion via long term immersion. The recommended gradient is 1°.

