



# SAPPHIRE

THE **TILON** COMPOSITE COLLECTION

## Decking Installation Guide



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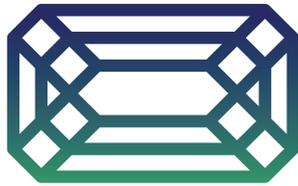
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**TILON**  
CARBON NEUTRAL  
SUSTAINABLE  
RECYCLED



**WE ARE A CARBON  
NEUTRAL BUSINESS**

Summary - information supplied in this document is based on manufacturing knowledge and test procedures when issued, it is provided in good faith with Tilon reserving the right to amend in the future. Users' attention is drawn to risks when product is used for any purpose other than the one which it was designed. This document does not exempt users from knowing and applying the rules regulating their activities. Users assume full responsibility for applying safety measures when product is in use.



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### Important Note

The diagrams and instructions outlined in this guide are for illustrative purposes only and must comply with all local building regulations. The consumer assumes all risks and responsibilities associated with the construction and use of this product.

#### Safety

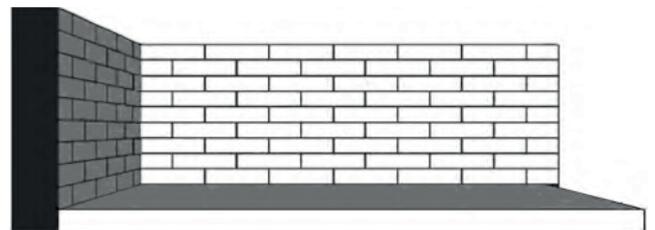
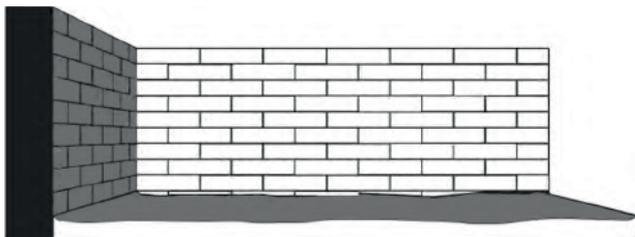
Please take safety precautions before installing the decking, check that the equipment is working properly and is free of malfunctions, and wear protective safety equipment such as gloves, goggles, and impact resistant shoes.

#### Environment

Proper installation requires a clean, smooth, flat and sturdy surface/sub frame.

#### Ground preparation

The installation requires the ground/sub frame to be level.



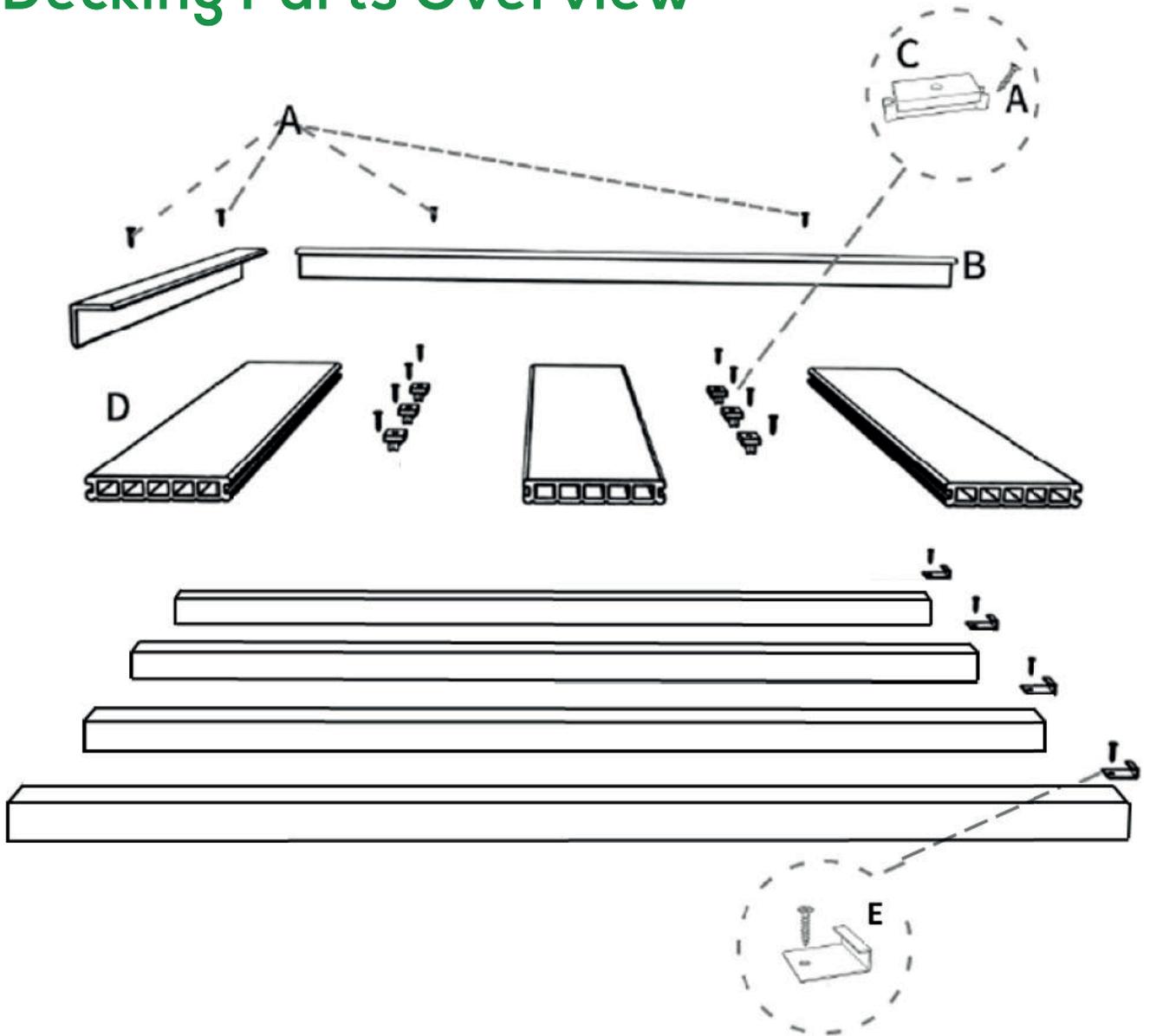


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### Decking Parts Overview



Impact Drill



Electric Drill



Tape Measure



Hammer



Spirit Level



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## Decking Installation Guide

### Decking Parts

Product

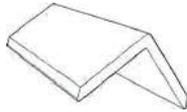
Description

A



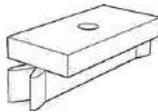
Stainless Steel Screw

B



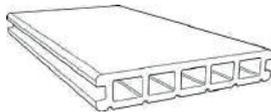
Cover Trim

C



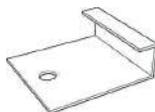
Decking Fixing Clip

D



Decking Board

E



Starter Clip



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- 1 Measure the overall distance. Lay the joist 10mm from the wall and keep a 300mm spacing between two joists widthways. If the decking board isn't long enough and requires butting up to another board, use two joists at the juncture with a spacing between the two joists of 30mm. To allow for thermal expansion a gap of around 5mm should be left between decking boards laid end-to-end.

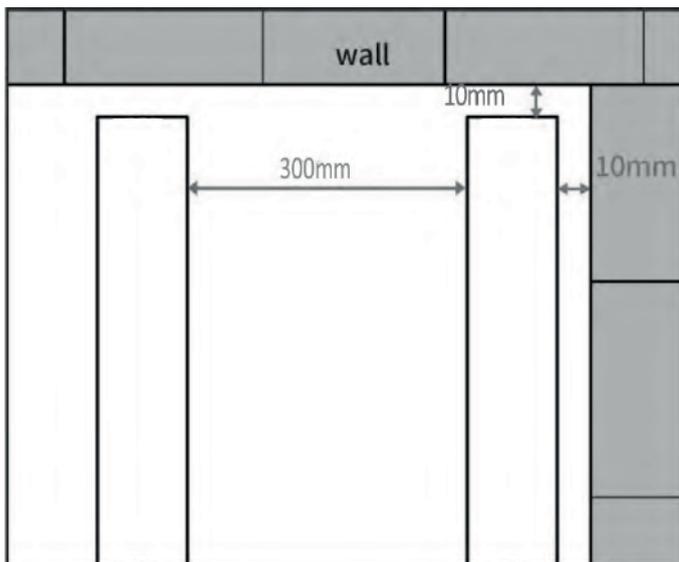


Diagram 1

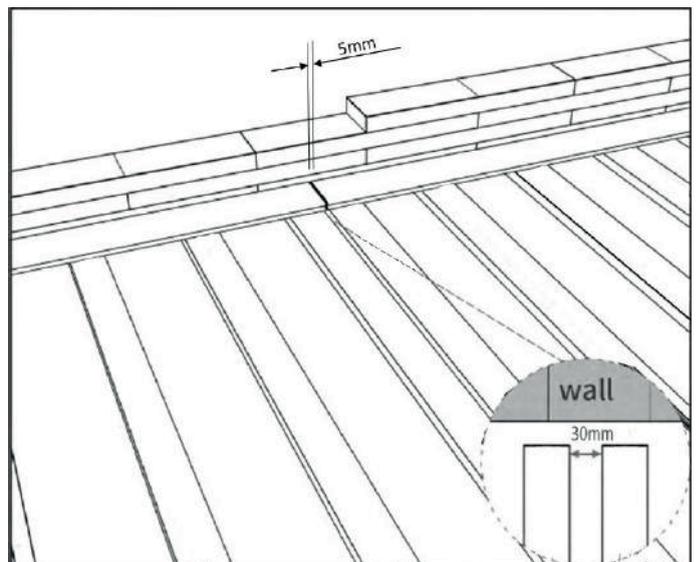


Diagram 2

- 2 Place the starter clips at the center of the end of the joist. Drill holes with a drill and then secure the clips to the joist using screws.

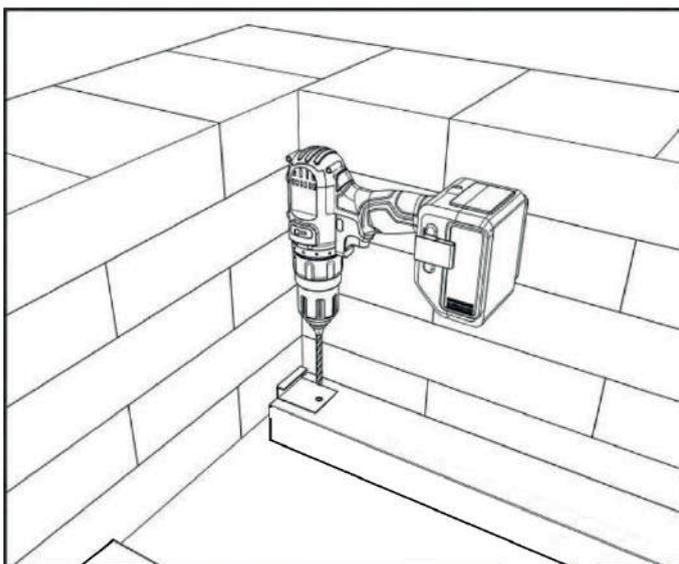


Diagram 3

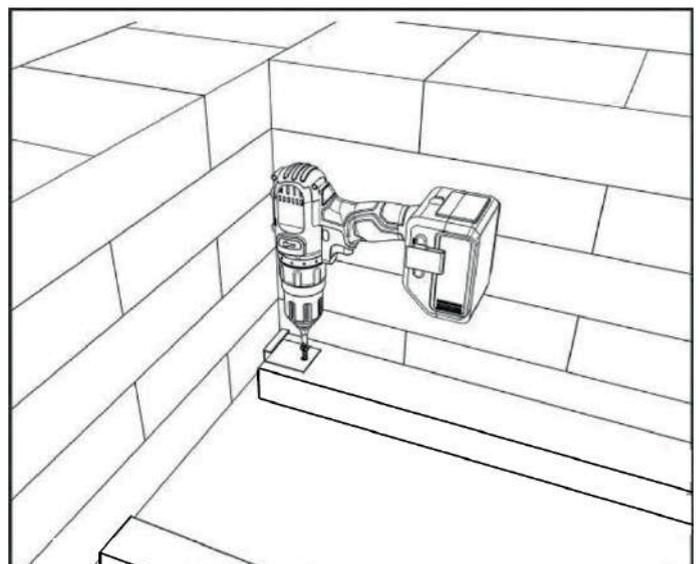


Diagram 4



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- 3** Push the first piece of decking board firmly into the starter clips, as shown on the right.

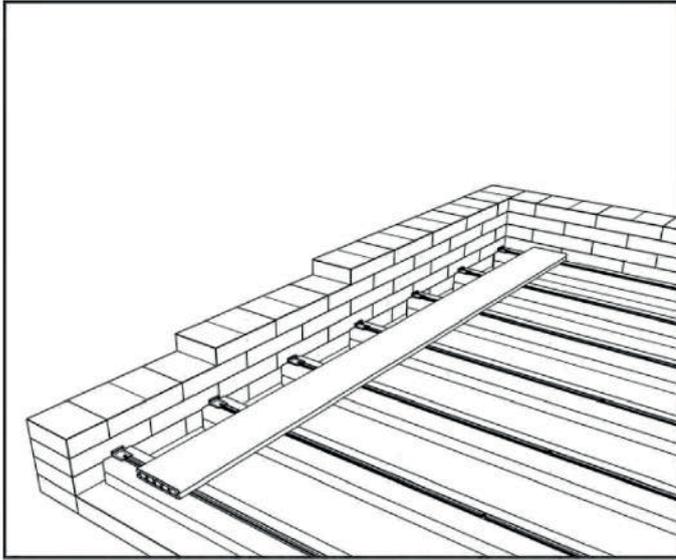


Diagram 5

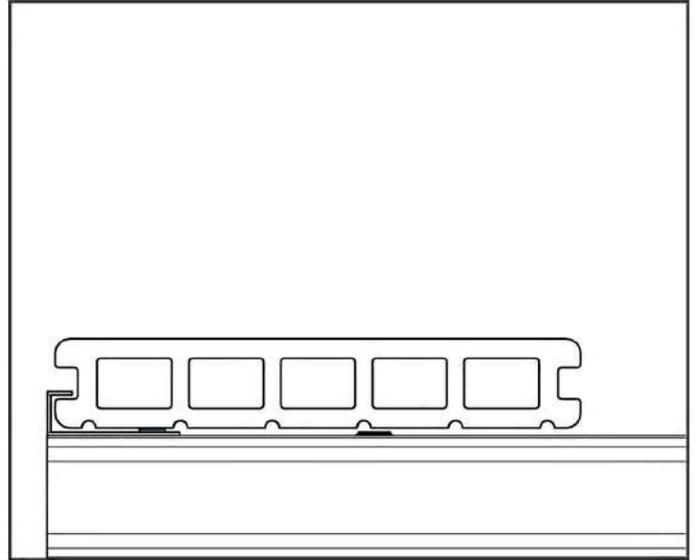


Diagram 6

- 4** Push intermediate clips into the decking grooves. Drill holes in the joist through the holes in the clips. Secure clips to the joist with screws. Do not tighten them at this time.

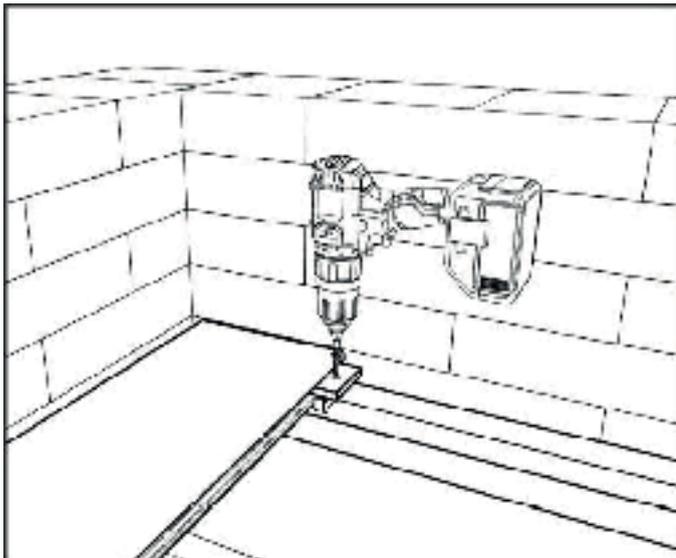


Diagram 7

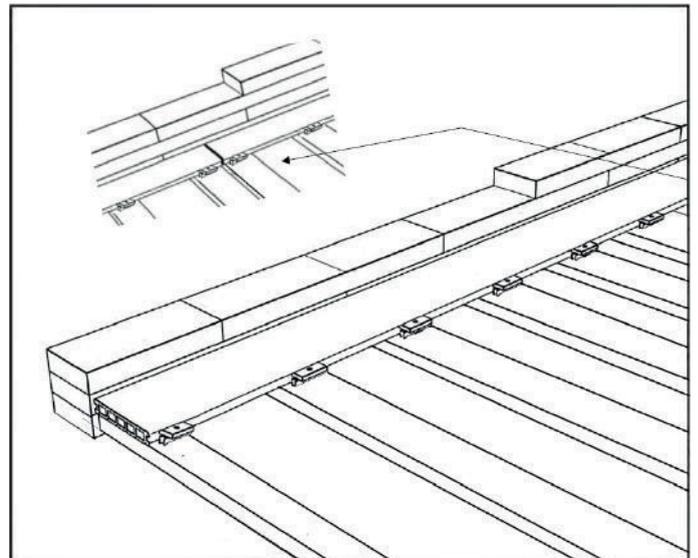


Diagram 8



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- 5** Insert the second piece of decking board into the intermediate clips, then tighten the screws on the clips.

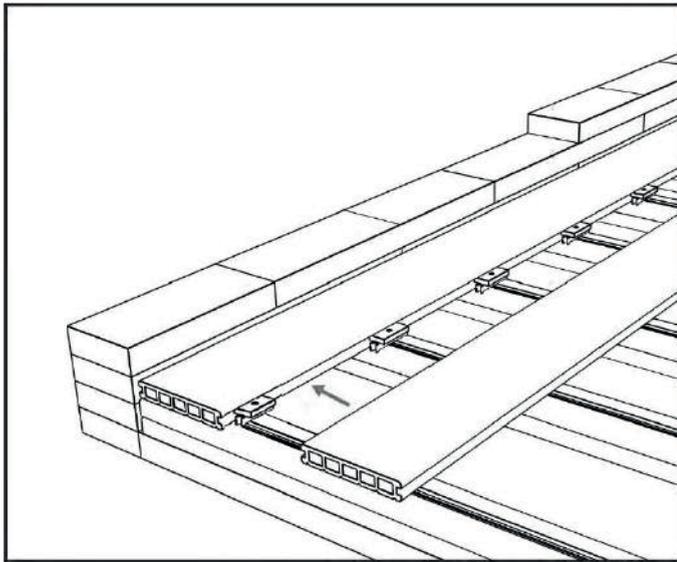


Diagram 9

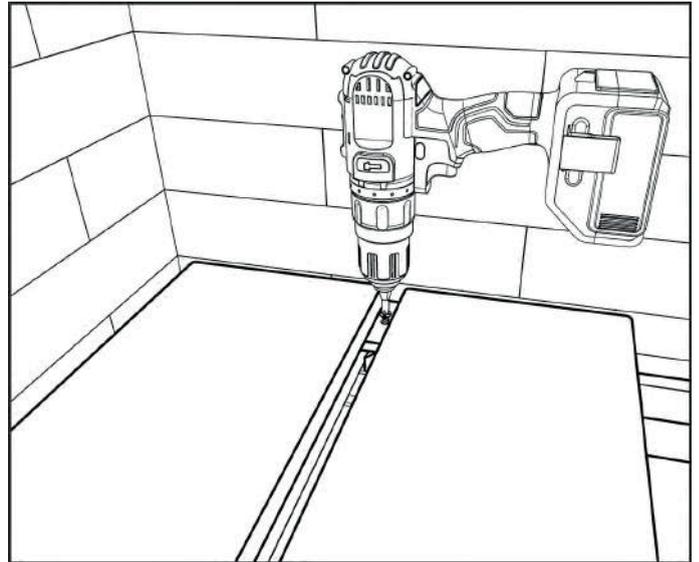


Diagram 10

- 6** Install the decking boards and intermediate clips in turn, achieving the desired effect as shown on the right.

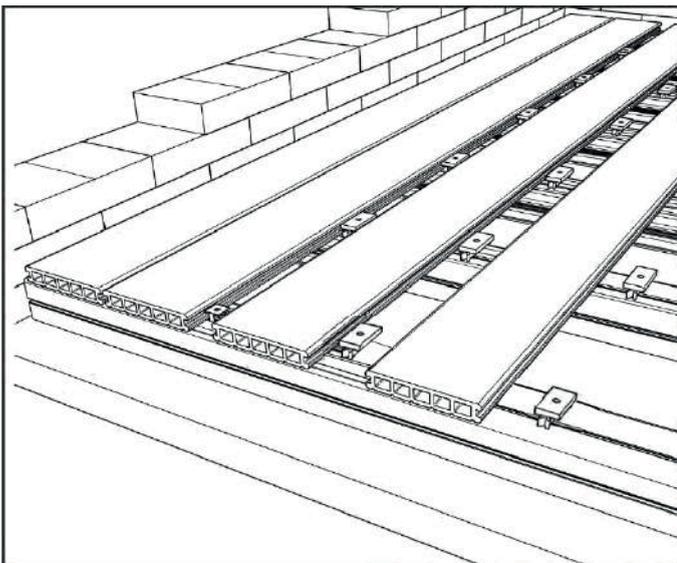


Diagram 11

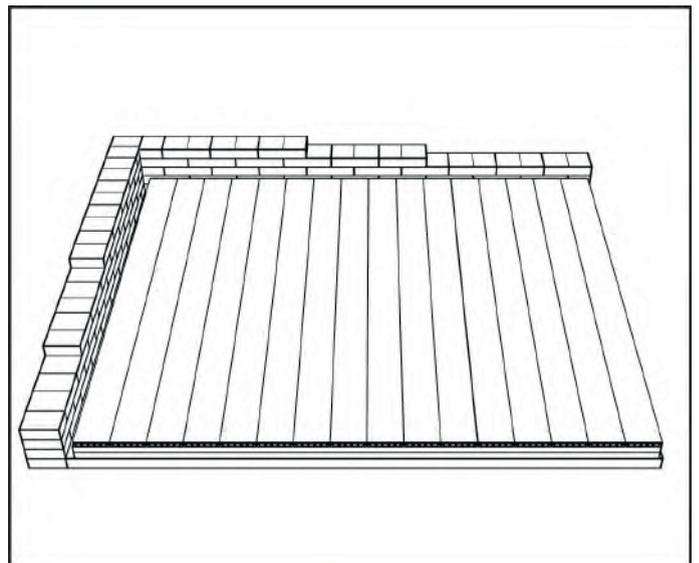


Diagram 12



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- 7 Cut off the extra part of the last piece of decking board with a circular saw, as shown on the right.

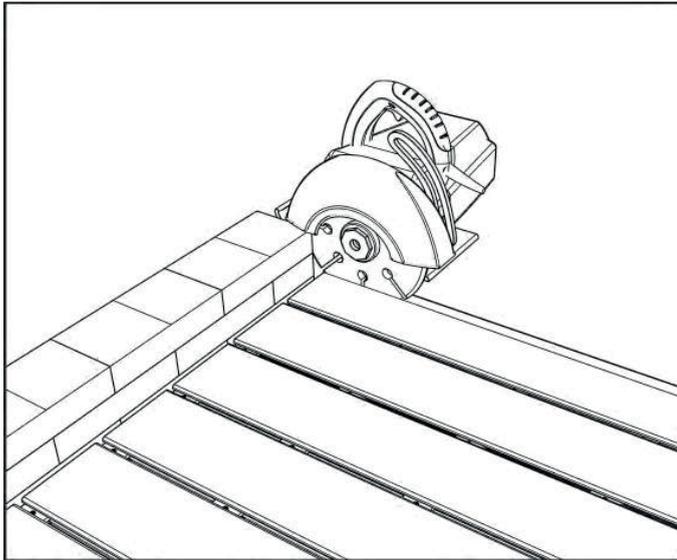


Diagram 13

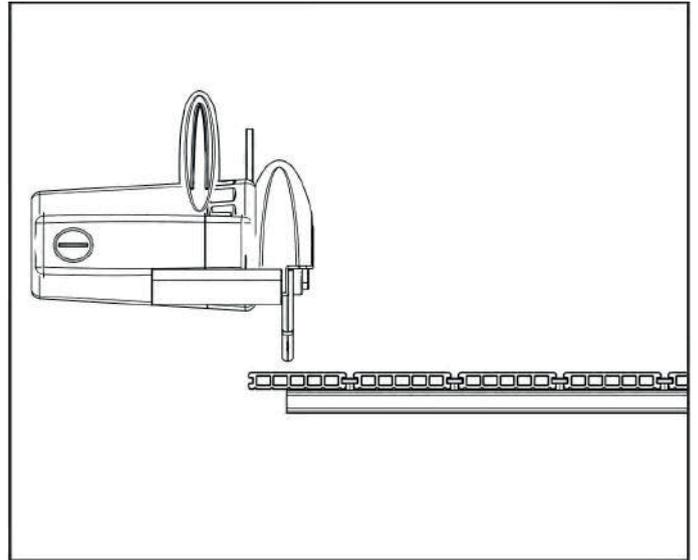


Diagram 14

- 8 Drill screws into the last piece of decking board to secure it to the joists. Cut the ends of the decking trim at a 45° angle for a seamless join.

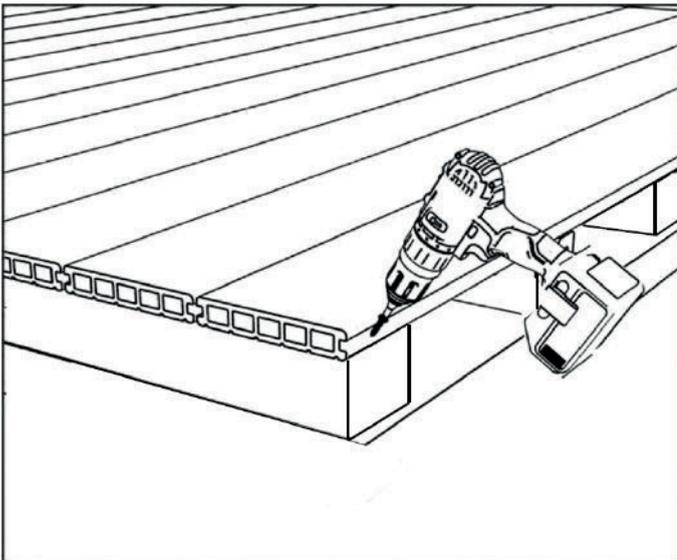


Diagram 15

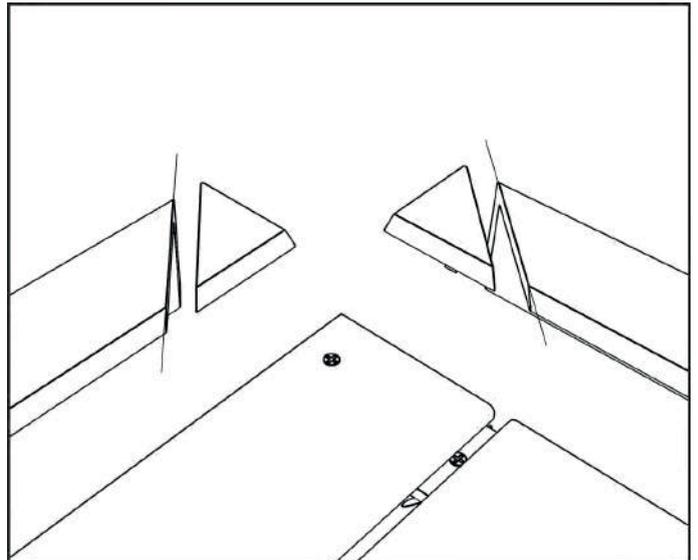


Diagram 16



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- Secure the end covers to the decking with screws at 500mm intervals. Your decking is now successfully installed.

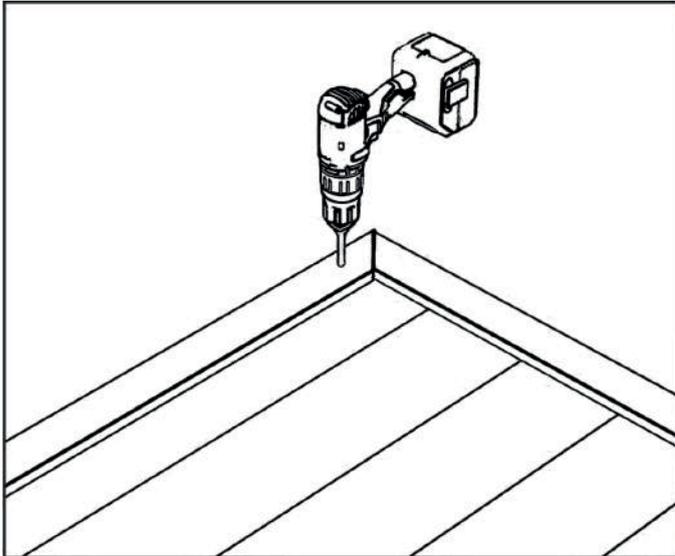


Diagram 17

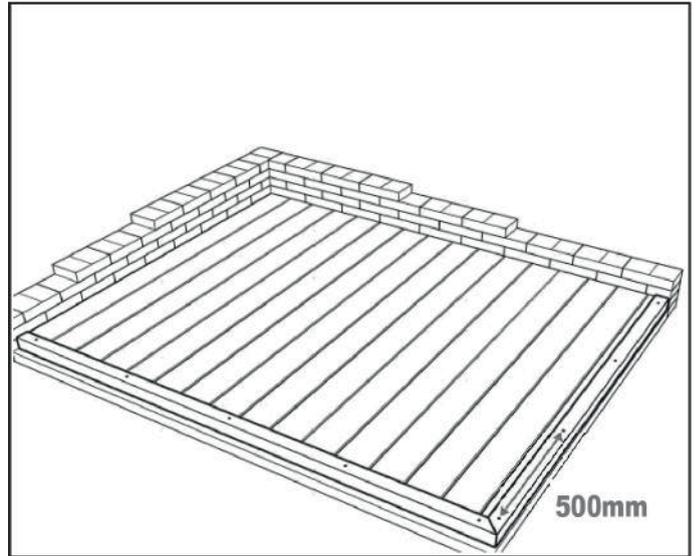


Diagram 18





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PLEASE BE AWARE: Over the initial 12-16 weeks from installation, the composite collection products will undergo a natural weathering process and the colour of the grained surface may lighten. This is normal and will stabilise after this initial period.  
For decking the reverse (grooved side) gives an indication of what the colour will become.