



## **UK Trade Composite Decking Installation Instructions**

Please read the following carefully prior to installation. All Composite Decking products expand and contract with temperature fluctuations. UK Trade Composite Decking is designed to work with a hidden T-clip system to control thermal expansion and contraction; therefore it is important to install the product in accordance within our recommended guidelines.

We encourage the use of timber or composite joists with 400mm centres, with noggins packing out the carcass. This is because it increases the surface area of the deck structure so can withstand heavier loads and reduces spring in the deck surface.

When starting your project lay out your materials to ensure that you know where you will be fastening the boards. Ensure that your boards are long enough to fit neatly with joist structure. Over torquing screws will restrict boards from expanding and contracting fully.

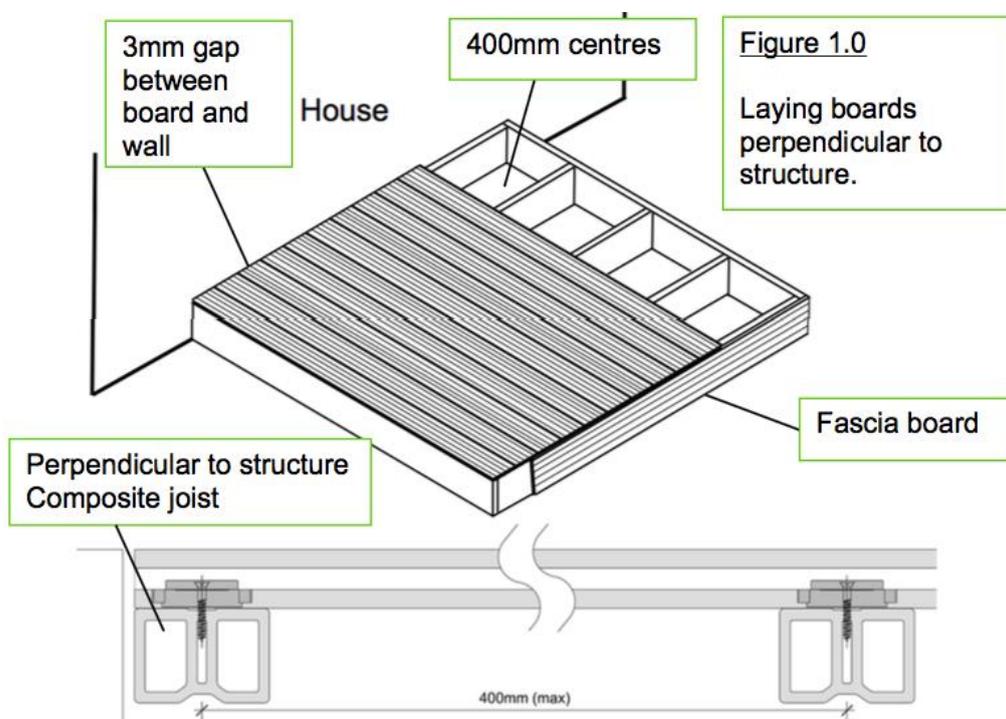
### **MATERIALS REQUIRED**

- Decking Boards (2900 x 25mm x 150mm): 2.224 boards for each square metre.
- Timber (50mm x 150mm) or composite joists (40mm x 58mm)
- T-Clips and Screws: 24 per square meter.

### **TOOLS REQUIRED**

Pencil tape measure, sliding bevel spirit level, set square, rubber hammer, Chop Saw or hand saw, Power screwdriver/ Cordless Drill.

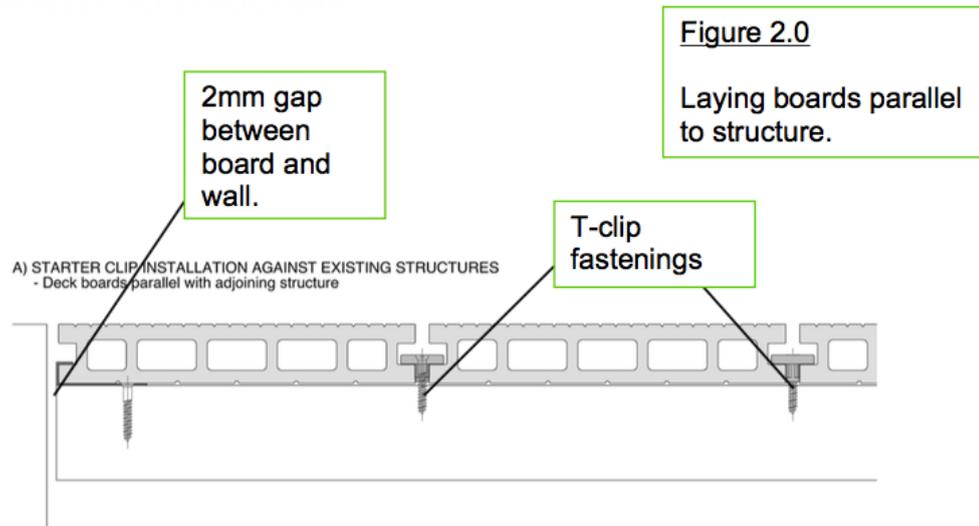
## PERPENDICULAR TO STRUCTURE



- 1) Secure deck board with t-clip ensuring 3mm gap between board and permanent structure as per Figure 1.0. Ensure inner end of deck boards are supported by joist parallel to structure.
- 2) Layout substructure to allow outer end of deck board to fit snugly with the substructure. Position T-clip fastener at each joist, secure it with screw.
- 3) Slide the second board under the clip and secure with a rubber mallet. Secure with clip and screw same as first board.
- 4) For placing boards end to end, use a 2-3mm spacer to allow for expansion and contraction (dependent upon ambient temperature of boards). Secure end of the deck board same as opposite side.
- 5) Once deck is completely installed, fasten angular trim. Secure to deck walls by fastening through trim, fascia board and joist around exposed edges. Fascia can be fixed using an all weather adhesive and clamped until completely set. Or colour-coded polypins, ensuring holes are pre-drilled first.

Ensure when working out m2, allowance is made for deck boards to face exposed joist work.

## PARALLEL TO STRUCTURE



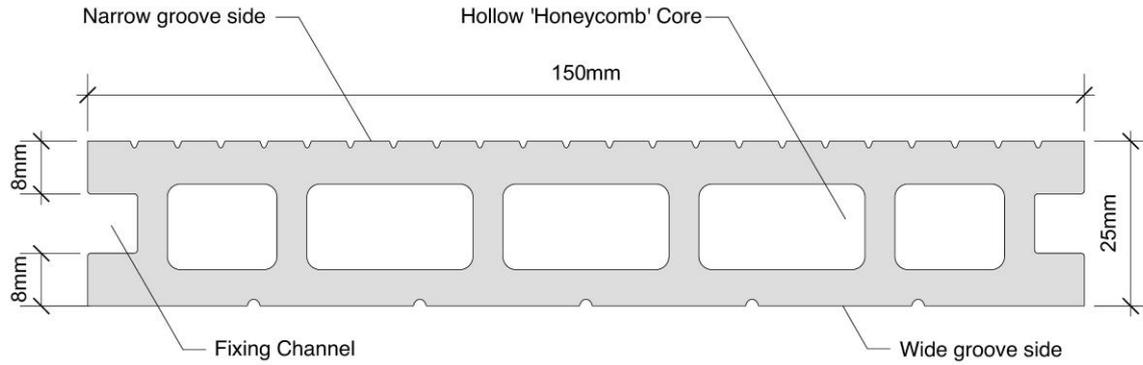
- 1) Boards should be cut exactly the length of joist work, allowing board to fit snugly with the substructure.
- 2) Position T-clip fastenings at each joist and secure it with a screw as shown in Figure 2.0. Slide second board under the clip and secure with a rubber mallet.
- 3) Next secure the following set of t-clips to the joist. Fasten boards every 400mm to the joist therein afterwards.
- 4) For placing boards end to end, use a 2-3mm spacer to allow for expansion and contraction (dependent upon ambient temperature of boards). Secure end of the deck board same as opposite side.
- 5) Once deck is completely installed, fasten angular trim. Secure to deck walls by fastening through trim, fascia board and joist around exposed edges. Trim can be fixed using an all weather adhesive and clamped until completely set. Or colour-coded polypins, ensuring holes are pre-drilled first.

## PRODUCT DIMENSIONS

### Composite Decking Board Profile

(Wood plastic composite)

W:150mm x D:25mm x L:2900mm



### Hidden T-clip Fixing

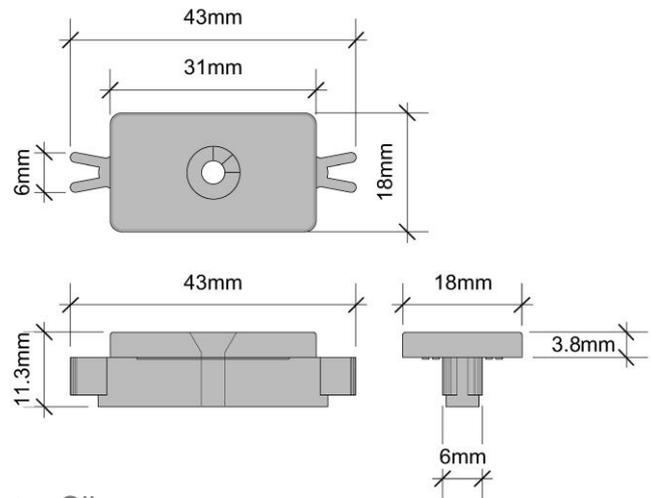
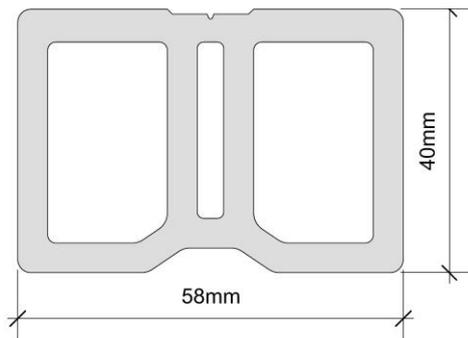
(Plastic)

W:18mm x D:11.3mm x L:43mm

### Composite Joist Rail Profile

(Wood plastic composite)

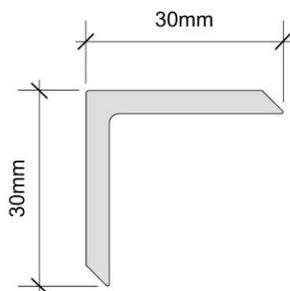
W:58mm x D:40mm x L:2900mm



### Composite Angled Fascia Trim Profile

(Wood plastic composite)

W:30mm x D:30mm x L:2900mm



### Starter Clip

(Steel)

W:31mm x D:10mm x L:44.9mm

