

Quick guide to installation

This quick guide is designed to provide fast and simple advice on installing TimberTech deckboards. Should you require more comprehensive information, please refer to our installation instructions that can be found on the website at www.timbertechuk.co.uk.

Butt-Joints

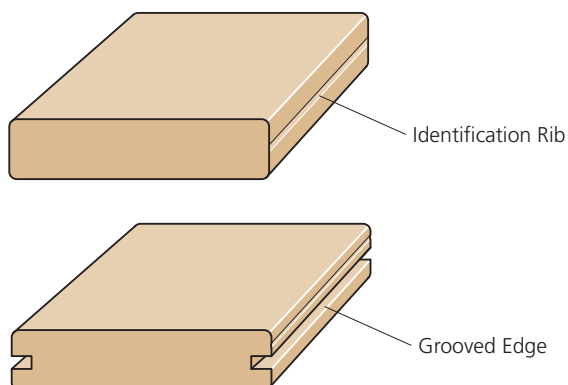
Please note that you must leave a 3mm gap between all butt joints to allow expansion - this requirement is a condition of our warranty.

Tools

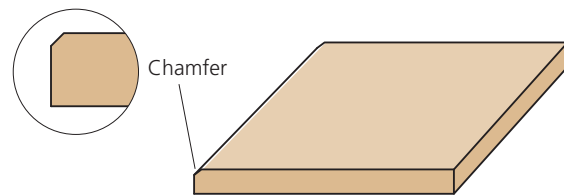
We recommend standard wood working tools are used to install TimberTech. It is strongly recommended that an impact driver is used to install CONCEALoc®.

Directional Brushing

Reliaboard, VertiGrain 2, and all EasyClean boards have a grained texture which is directional. Each board has a shallow rib running down only 1 edge (do not confuse with the deeper grooves found on both edges of the grooved deckboard profile) - this ribbed edge should be kept consistently on the same side when laying the boards; it does not matter whether its on the left or right hand side.



Riser boards have a grained texture which is directional. Each riser has a small chamfer running down one corner of the board only. This chamfer should be kept consistently on the same side when fixing.



Riser boards should be fixed using Toploc Fascia screws - allow 20 screws per board. Use the Toploc fascia drill bit to drill a countersunk hole.

Board spacing

TimberTech is dimensionally very stable so gaps between VertiGrain 2, Reliaboard, EasyClean Terrain, EasyClean Tropical and EasyClean Legacy boards can be kept to a minimum with board spaces of 3mm. Butt joints should also be 3mm.

Fastening with TimberTech TOPLoc™ Screws

We recommend you drill a 4mm pilot hole (do not countersink) for easier and faster installation and a neater finish around the screw head (the head cuts its own hole). Use 2 screws to fasten deckboard at each joist with your driver on impact or hammer action.

Fastening with CONCEALoc® Hidden Fasteners

Ensure clip is fully inserted into groove with back of clip in contact with edge of board. Ideally, use an impact driver to drive the screw into the timber joist. The screw must be driven into the joist at a 45-degree angle and ensure the screw head is firmly driven down into the recess of the clip. It helps to start at the middle of the board and then to work out towards the ends of the board. Use a rubber mallet to tap subsequent boards into place. At butt joints a hidden fastener is required for each board.

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Sub-Structure

We recommend pressure treated softwood joists set at a maximum span of 400mm for all TimberTech deck boards, for a load up of 490g/m² (it is worth taking advice from a structural engineer on deck loading if heavy pedestrian traffic is anticipated on commercial area's as you may need to reduce joist centres to 300mm). Do not install TimberTech directly on to any surface (must always be fixed onto joists) - a minimum cavity of 40mm is required.

Garden decks over soil/lawn – generally 50mm wide x 125 to 150mm deep joists. Cross balance (noggins) at intervals of 1.2m. Concrete piers (30x30cm x 45cm deep) set at intervals of 1.5m and to a height of 25mm above excavated ground level to suspend joist off ground.

Roof terraces – use TimberTech's EasyFix rubber joist shoes - 2 heights available at either 10mm or 38mm high. 8 EasyFix required per m² set at joist centres of 400mm. Minimum timber joist 50 x 50mm although a 50 x 75mm or 50 x 100mm preferred.

Gapping Requirements:

- Below 1° celcius (30°F) - 5mm gap
- 1° to 23° celcius (30°F to 74°F) - 3mm gap
- Above 24° celcius (75°F) - 1mm gap
- Allow 5mm minimum gap where the boards meet an adjoining structure or post

Always:

- Double joist under butt joints
- Set joist centres at no more than 400mm
- Have a minimum joist depth of 50mm
- To aid water run off the deck should slope 12.5mm for every 2.4m away from the house