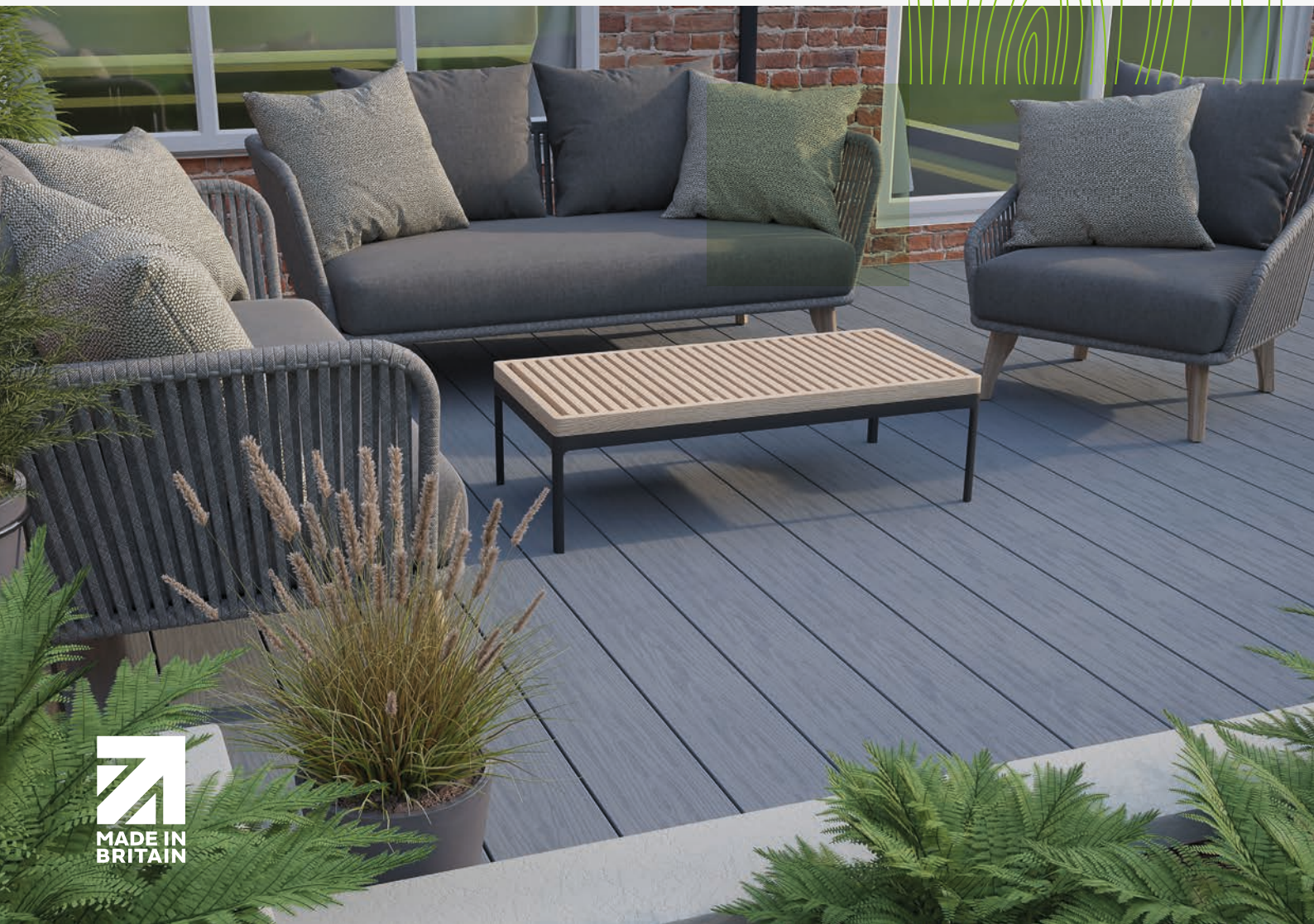


Revive PVC decking installation guide

Your guide to installing our Revive
PVC decking collection.



PVC decking

This guide provides all the information you need to install Ecodek PVC decking, including our Revive collection.

Please pay special attention to deck board gaps, substructure spacing and tolerances, as this will keep your deck in top condition for years to come.

If you have any further questions, please email us at enquiries@ecodek.co.uk or call 01978 667 840.



Eco friendly



10 year warranty



Made in UK

Calculating your deck board requirements

Estimating your deck board quantities

A 195mm x 4.902m decking board covers approx. 0.98m²

Note: The coverage calculation includes the 5mm gap between decking boards.



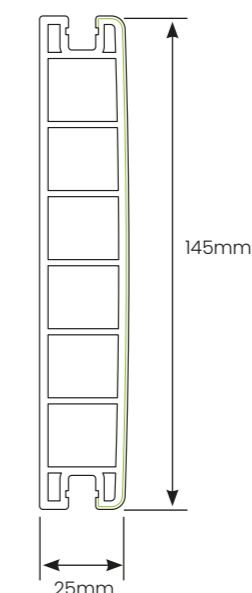
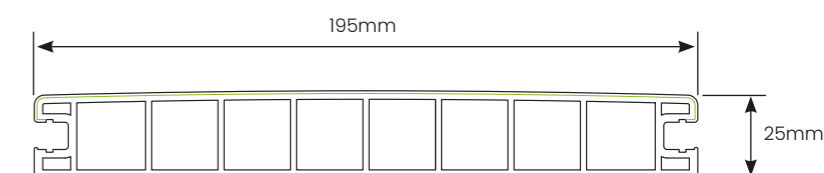
Estimating your deck clip quantities

Fixing centres	No. of Clips
300mm	17
400mm	13

TIP

To reduce waste & cutting, try to plan your deck size around the product size e.g. a plank plus clip covers 200mm width. A plank is 4.9m long.

Remember to allow for the overhangs.



145mm boards are available to use as fascia.

Storage

Prior to installation, PVC deck boards should be stored out of direct sunlight on a clean level surface.

Before you start

Safety information

Read and understand this entire manual before you begin the installation of your decking.

Tools required

No specialist tools are required to install Revive, however we would recommend the following tools which will help you build your perfect deck.



Circular saw



Cordless drill



Spirit level



Tape Measure



Chalk line



Hand Tools



Safety glasses



Hearing protection



Dust mask

Warning:

Use extreme caution when using power tools.

Warning:

This decking is for deck surfaces and deck-related surfaces, such as stair treads or ramps, only. Material is not approved for structural applications.

Caution:

Unusual sources of heat and heat build-up can potentially damage decking surfaces. Examples include fire pits, reflected light from nearby windows and doors, and under-deck waterproofing installations that do not provide adequate ventilation.

Revive technical data overview

Loading

Revive has been tested for point loading, resulting in max load figures of 3.0kN at 400mm centres and 3.8kN at 300mm centres. Reference to 'BS EN 1991-1-1:2002 Actions on structures -Imposed loads for buildings' indicates a requirement of 2.0kN when used for balconies, light duty walkways and General residential use.

Slip resistance

The decking surface provides for good slip resistance under wet or dry conditions due to the slight convex nature of the surface coupled with a raised tread pattern. The surface will shed water even when laid level.

When tested in-house to CEN/TS 15676 average figures were achieved of 56.8 in the dry and 48.8 in the wet. According to HSE guidelines, a Low Slip Potential classification is achieved with a value equal to or greater than 36.

Fire resistance

Revive has been tested by BTTG to BS EN ISO 9239-1:2010 Reaction to fire tests for Floorings (under BSEN13501-1:2007+A1:20-09) and meets an overall classification of Class Bfl-s1.

Deck board installation

Subframe

The principles of building a timber subframe for a domestic deck are set out here, but they do not cover all the possibilities for construction or the different circumstances that might be encountered.

All timber used to build the subframe including posts should be at least C16 in quality (C24 is recommended) and treated appropriately for outdoor use.

Bearers should run with the line of most traffic and should have a nominal size of 6"x2". They are usually available in a standard size of 145mm x 45mm.

Use a minimum of 2 x 90mm external quality wood screws at each joint between subframe sections.

Posts and intermediate supports may be made from 95mm x 95mm timber or two 95mm x 47mm sections that are firmly screwed together.

Timber post ends and intermediate supports should be set onto a stable well drained surface.

Spacing of timber bearers

Deck bearers should not exceed 400mm (16") centres, with a max 300mm (12") centres recommended in high foot traffic areas. Centres over 400mm will invalidate the Performance Guarantee.

The maximum unsupported span of a timber bearer (of the required specification) between two posts or intermediate supports is 2.22m. Noggins that tie two bearers together should be inserted every 1.11m max along the length of the span. Increasing the frequency of noggins creates greater rigidity and strength.

If the boards are to be set at a non-standard angle to the bearers (ie not 90°) the bearer centres must be adjusted in order to maintain the required fixing centres.

Installing the deck board

Before fitting the first deck plank it is important to install the fascia where required. Fix the deck board using a clip and stainless steel screw at each bearer, ensuring all clips are correctly seated.

Where board ends meet install a second bearer so that each board end is fully supported and secured with its own clip.

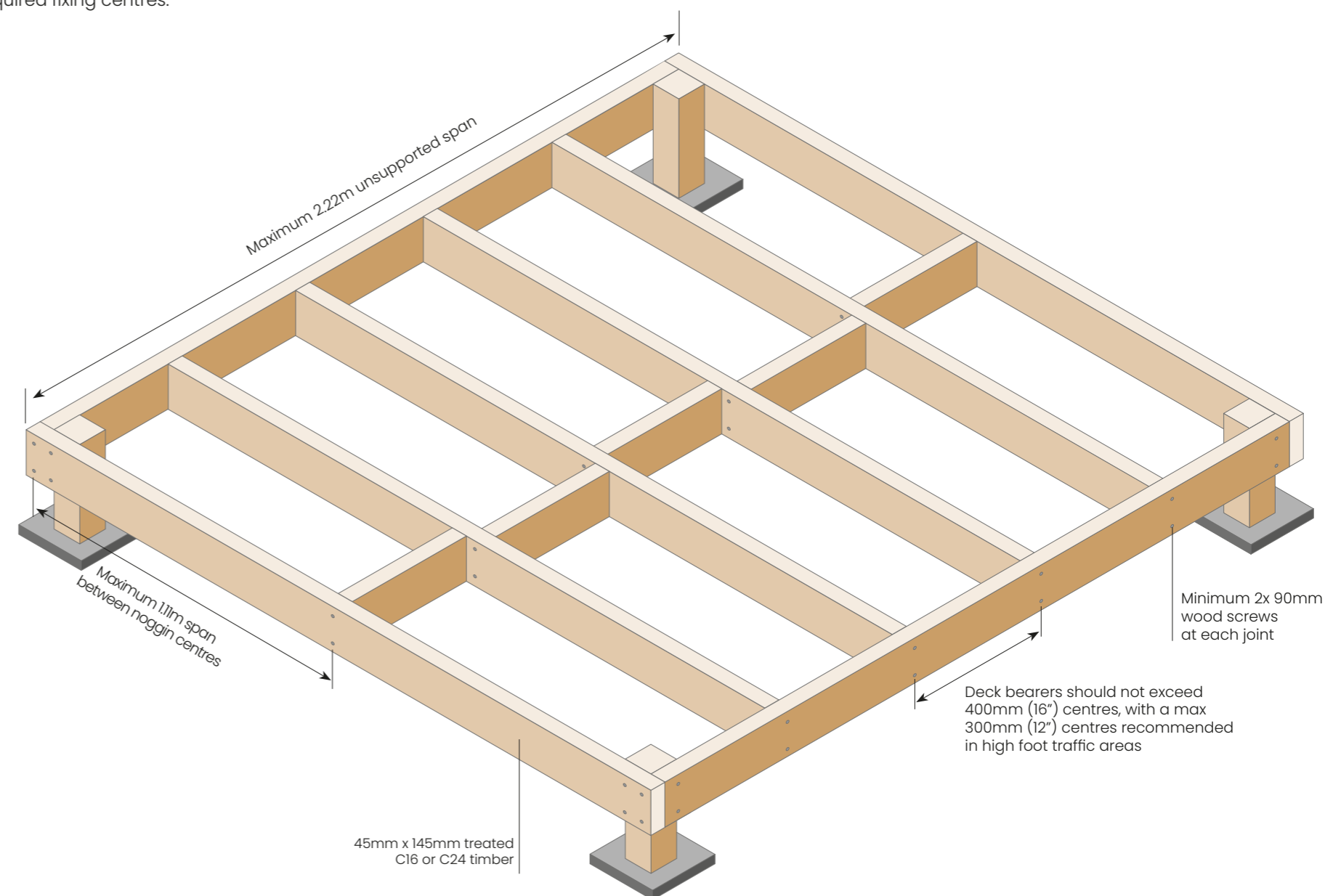
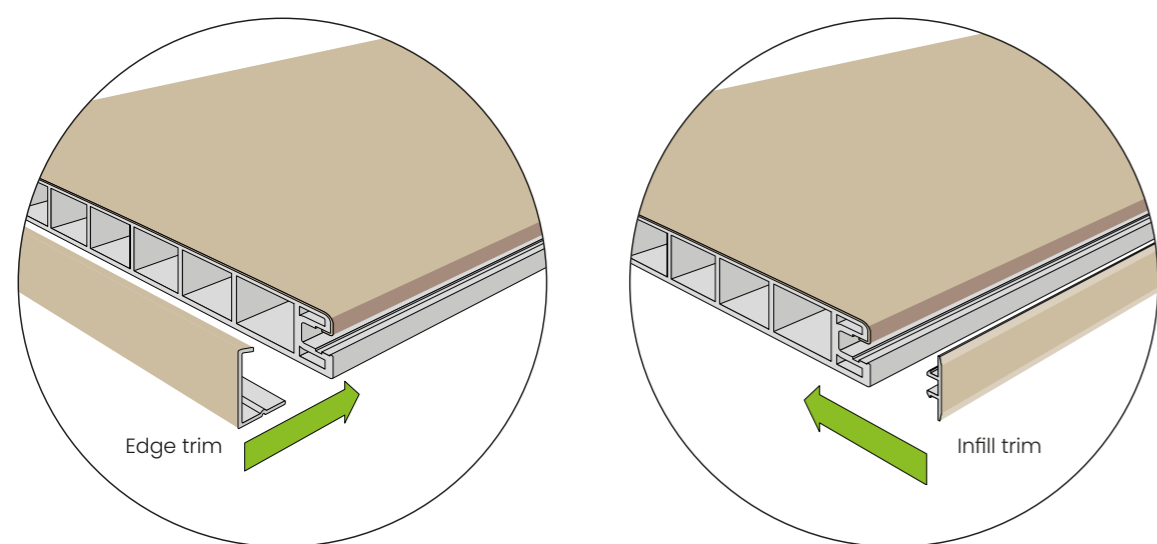
Allow a 5mm gap between board ends for expansion and always overlap adjacent board end joints by a minimum of two bearers.

All installations to take place at ambient temperatures between 5 and 25°C.

Ventilation

Many decks are low lying and due to their location can be prone to heat build-up. Adequate ventilation must be provided under the deck, especially where darker deck board colours are specified.

It is essential that a minimum 10mm continuous ventilation gap is provided underneath the base of the deck, providing thorough ventilation. Using recommended timbers, air gap and deck board will result in a minimum deck surface height of 185mm.



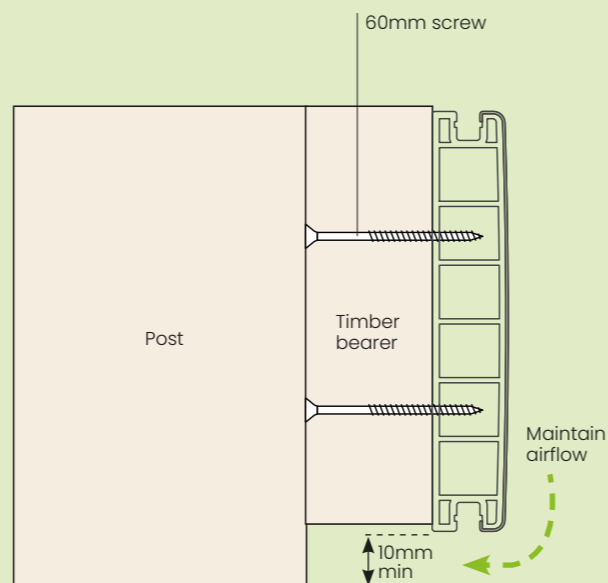
TIP

Install short edge to top, long edge to bottom and for added security, secure with screws from below.

Fascia installation

145mm fascia installation

The Fascia Board is used for facing off the edge of the deck subframe in order to hide the timber bearers. The boards can be discreetly fixed from behind the subframe using 2 x 60mm woodscrews at a maximum of 1200mm centres.



NOTE

Keep area beneath the decking free from obstruction to maintain airflow with minimum 10mm gap.

NOTE

Always leave a minimum ventilation gap of 10mm below the subframe. Single fascia installation requires the air gap to be at the lowest point of the fascia.

Starter board

Make sure the deck board overhangs the fascia by at least 10mm and the timber bearer by at least 35mm.

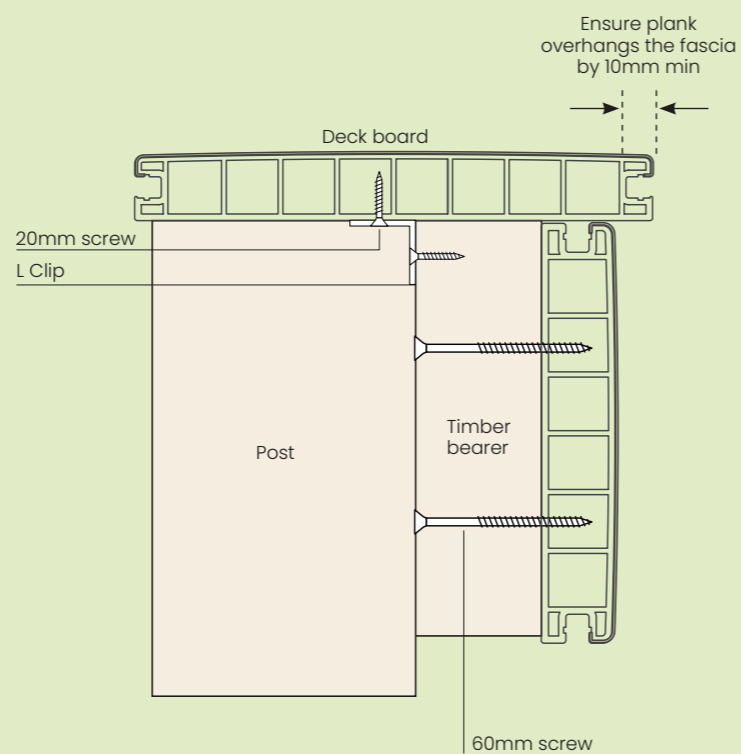
Place the first deck plank in the desired position, making sure the plank runs true to the bearer, then secure with quick release clamps.

Position and fix the L Clip

Mark a line on the underside of the deck plank, at the rear of the timber bearer, to identify the L Clip position.

Fix an L Clip to the underside of the deck plank, at the marked line, using a 20mm screw.

Secure the L Clip and first deck board to the bearer.

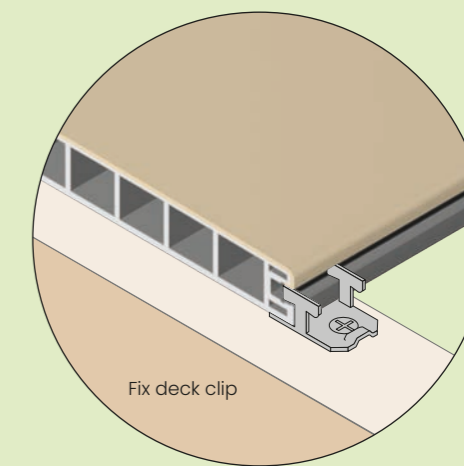
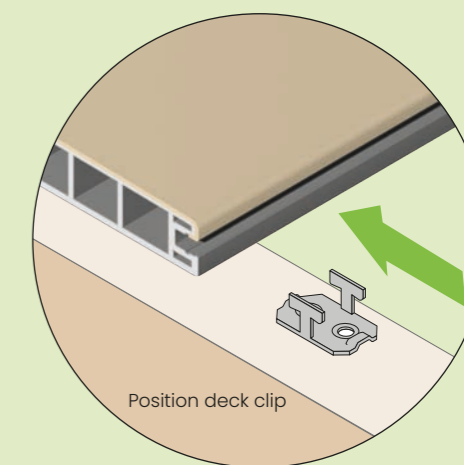
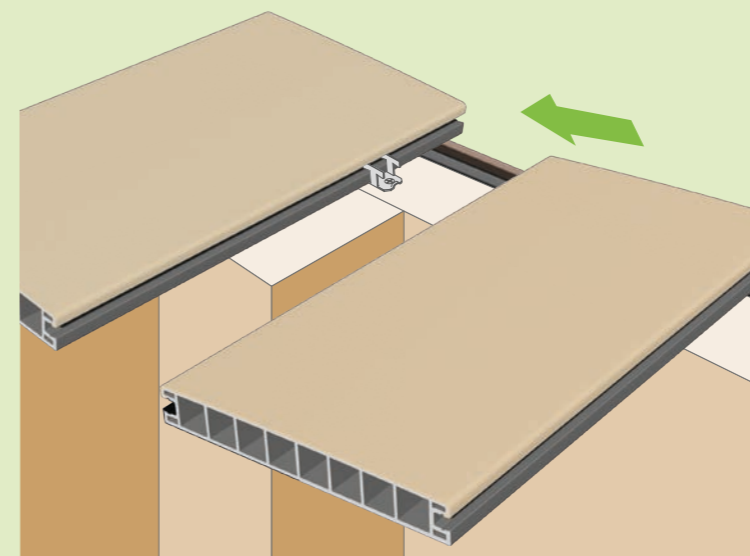


Laying decking boards

Deck and trim installation

Install plank with clips leaving a minimum of 3mm between the rear trim and the building wall.

Fix deck clips with 30mm stainless steel screws, at every rafter, ensuring ALL clips are correctly seated.



NOTE

Items have been cropped or removed from the drawings for clarity

Fixing the last deck plank

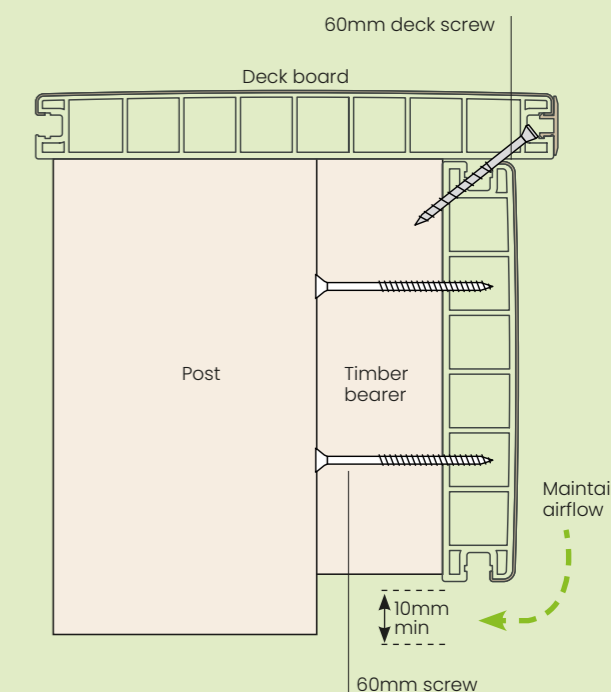
To ensure a hidden fix, use a 60mm deck screw through the fixing channel as pictured.

First drill a pilot hole through the PVC-U into the timber, using a 3mm drill bit.

Fix the 60mm screws at maximum 400mm centres.

Fit the Infill trim in place to cover the fixings.

Use an edge trim to trim the cut edge to complete the installation.

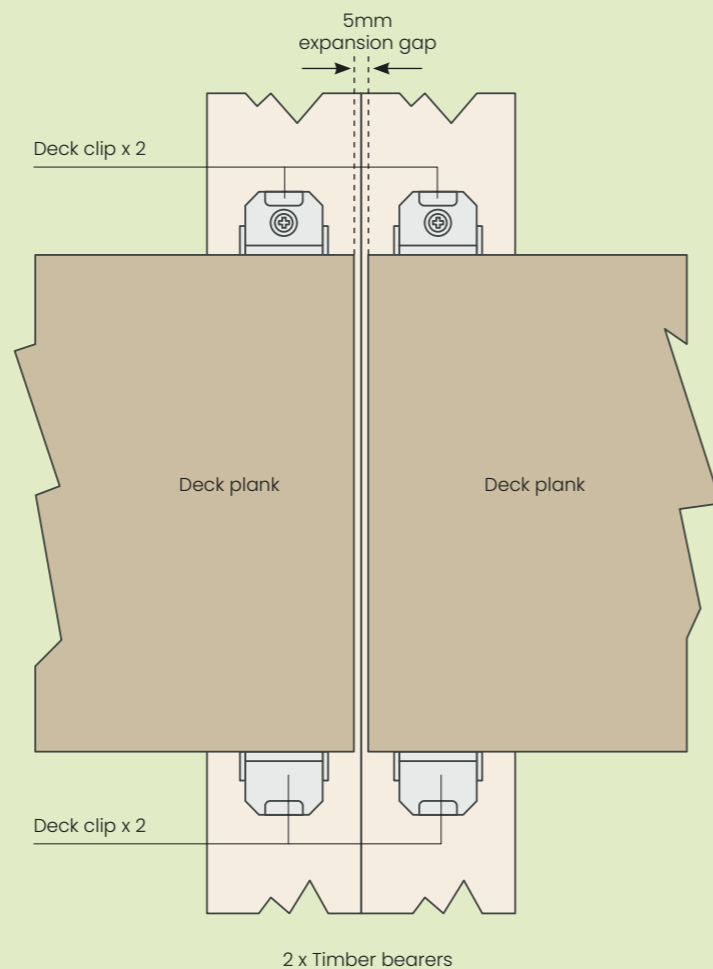


Joining decking boards

Where board ends meet, install a second bearer so that each board end is fully supported and secured with its own clip.

Allow a 5mm gap between board ends for expansion.

Where possible, the expansion gap can be left at the end of a run.

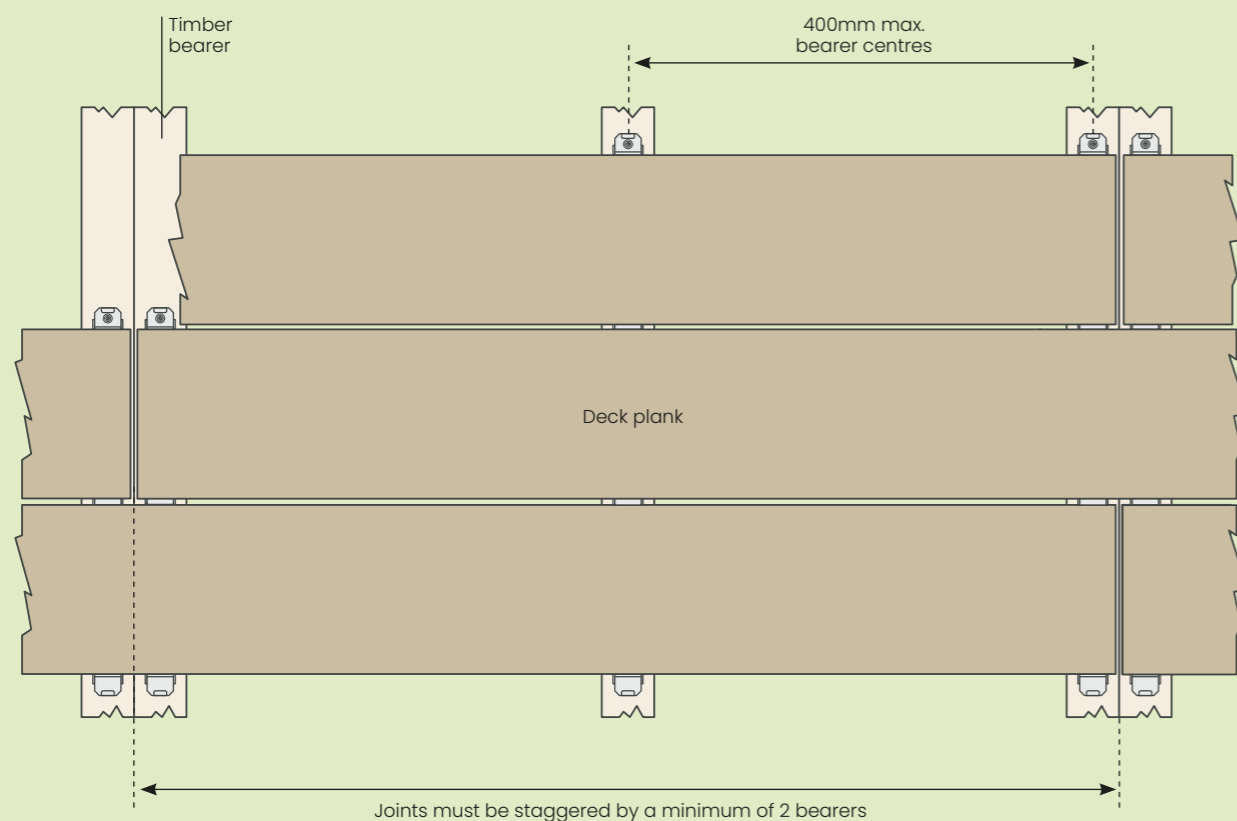


NOTE

Adjacent boards have been removed from the drawing for clarity

Staggered joints

Always overlap adjacent board end joints by a minimum of two bearers.



Maintenance and aftercare

To keep your decking product in top condition, we recommend cleaning your boards and balustrade with hot soapy water at least twice a year.

Important points:

- Ensure adequate ventilation underneath your decking. Keep area beneath your decking free from obstruction.
- Ensure ventilation around the hot tub of a 25mm gap is free from obstruction.
- Jet washers on a low pressure setting can be used for the decking boards only.

Cleaning & care:

- Clean your decking with a cleaning solution of warm soapy water using a cloth, sponge or soft bristle brush.
- **DO NOT** place ANY hot surfaces or use BBQs in the vicinity of the decking.
- **DO NOT** use any glass/PVC cleaning products or any forms of bleach or solvent.
- **DO NOT** scrub your decking with any abrasive products, such as scourers, sandpaper, stiff or wire brushes etc.

Additional tips:


- **DO NOT** place rubber mats or rubber backed mats anywhere on the decking area.

Please note, to ensure warranty remains intact please ensure above Maintenance and Aftercare Guidelines are adhered to.

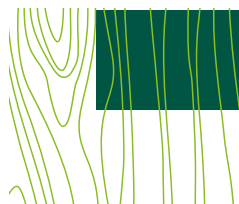
Notes:

For more details

 01978 667840

 enquiries@ecodek.co.uk

 ecodek.co.uk



Making outdoors, yours

