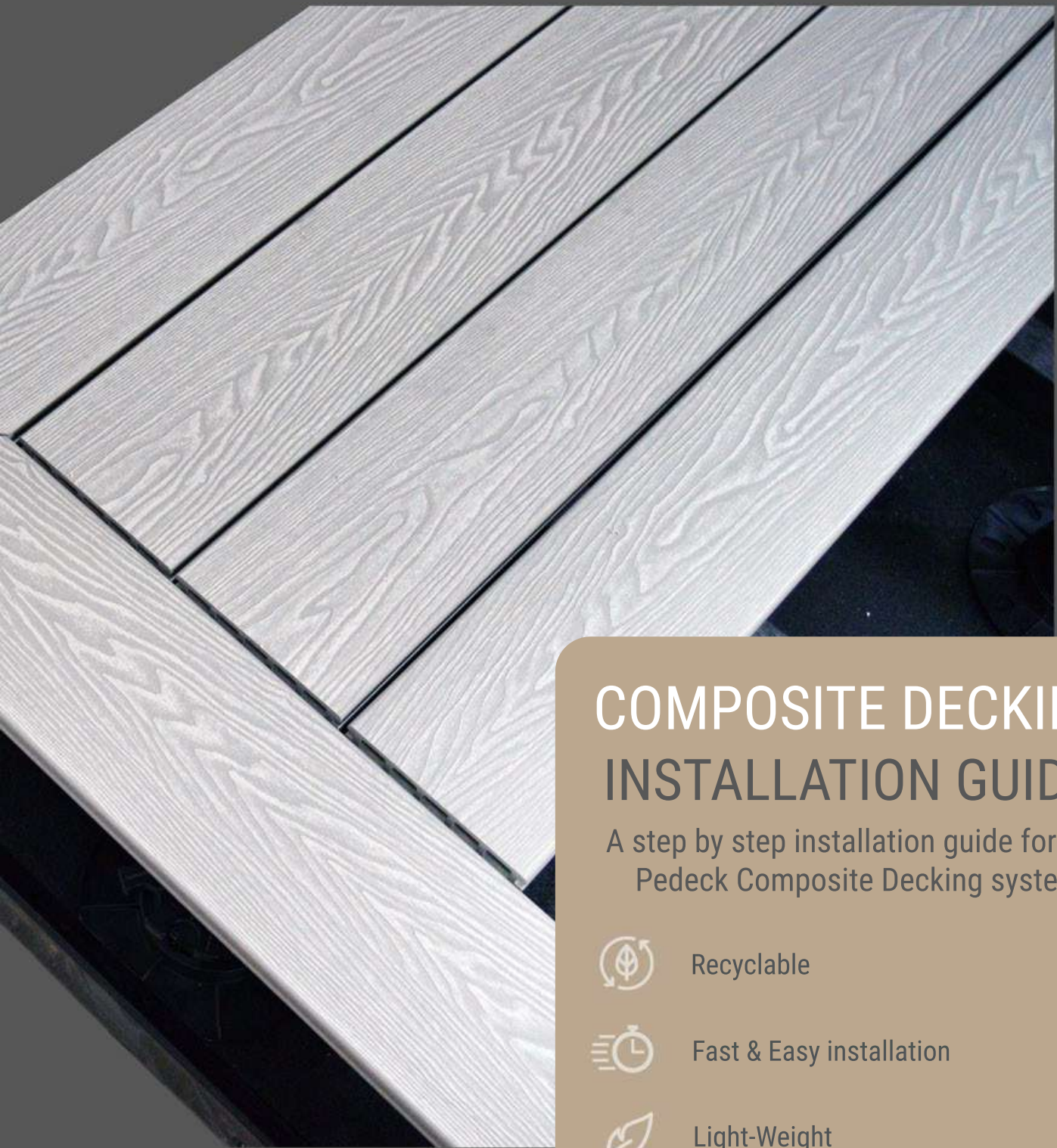




# PEDECK



## COMPOSITE DECKING INSTALLATION GUIDE

A step by step installation guide for the  
Pedeck Composite Decking system



Recyclable



Fast & Easy installation



Light-Weight



Easily Moveable & Adjustable



10 Year Guarantee

## DECKING COMPONENTS

The list below simply shows all of the components and fixings within our composite decking system.



146mm x 25mm x 3600mm  
146mm x 25mm x 5000mm  
136mm x 25mm x 3660mm



140mm x 23mm x 3600mm  
235mm x 25mm x 3600mm  
235mm x 25mm x 3660mm



Universal edge trim



**Bearer**  
150mm x 50mm - External  
100mm x 50mm - Internal



Protective deck  
tape



Pedestal

## FIXINGS

Fixings are supplied directly by Rubbertech

- screws designed to meet board dimensions
- T-fixing
- Starter clip

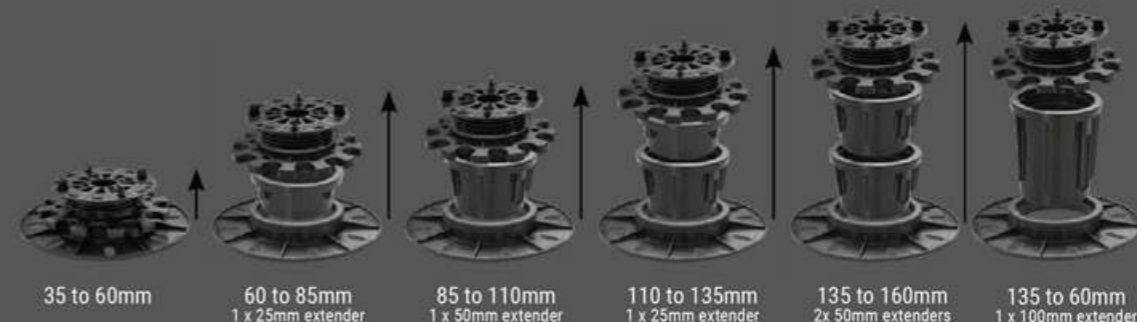
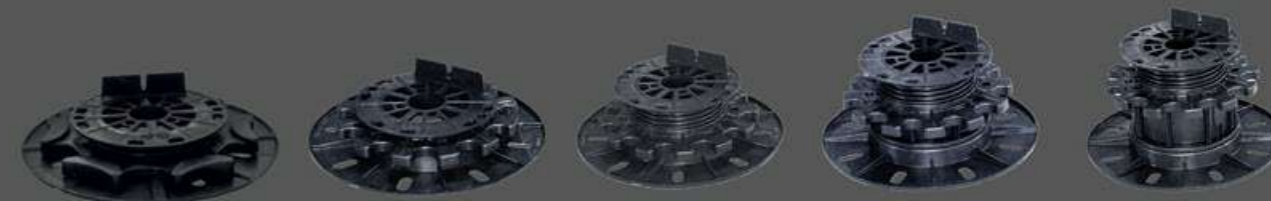


Always wear appropriate PPE for cutting  
i.e. gloves, goggles, ear defenders etc



## PEDESTAL COMPONENTS

### EXTENDABILITY EXAMPLES



Description 25mm Extension  
Dimensions 48mm x 48mm x 25mm  
Weight 0.044kg



Description 100mm Extension  
Dimensions 48mm x 48mm x 100mm  
Weight 0.167kg



Description 50mm Extension  
Dimensions 48mm x 48mm x 50mm  
Weight 0.084kg

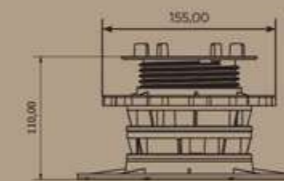
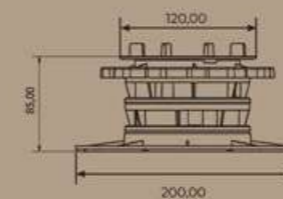


Description Base Pad  
Dimensions 200mm x 200mm x 3mm  
Weight 0.100kg



Ped 35 - 60

Ped 35 - 60 with 1x EXT25



Ped 35 - 60  
with 2x EXT25 or 1x EXT50 extension

Height ranges can be adjusted to 500mm or more, as required, by using combinations of QuickClick extensions

## STORING YOUR NEW BOARDS

Storing your boards in the right way is vital to the longevity of the product, when it arrives on site make sure to:

Please check condition of boards before signing for delivery.

- Keep all boards neatly stacked to avoid them falling and becoming damaged
- It is crucial to keep all boards flat and on a level surface. This will avoid causing the boards to bow or bend
- Boards should be stored off the floor on supportive planks at max 300 centres
- Cover to protect external boards from weathering / UV fade

Try to avoid:

- Storing boards directly on the ground
- Drag the boards on rough surfaces or across other boards, this could cause damage to the boards
- Leaving metal or tools on the boards for long periods
- leaving boards uncovered

Boards should be left outside for 24 hours prior to fitting to allow for boards to acclimatise before fitting

## TOOLS REQUIRED



Corded/ cordless drill



Measuring tape



Pedek Ali installation drill bit - 3mm or 3.5mm



Circular or cross mitre saw for cutting, with suitable metal cutting blade



Spirit level



Rubber mallet

## BATCH VARIATION

Whilst we ensure every individual order has batch matched board colouration, orders placed at different times may result in a different subsequent batch being purchased.

## WORKING OUT THE NUMBER OF BOARDS

The number of boards will depend on the decking area and on the board size being used. Measure the width and length of the area to be decked to achieve the square meterage needed.

Use the guide below to calculate the number of boards from this.

Range	SQM to No of boards				
146mm x 25mm x 3600mm	SQM / 0.53 = No of boards				
146mm x 25mm x 5000mm	SQM / 0.73 = No of boards				
136mm x 25mm x 3660mm	SQM / 0.50 = No of boards				
140mm x 23mm x 3600mm	SQM / 0.51 = No of boards				
235mm x 23mm x 3600mm	SQM / 0.85 = No of boards				
235mm x 25mm x 3660mm	SQM / 0.86 = No of boards				
Board Dimensions	10m2	20m2	30m2	40m2	50m2
146mm x 25mm x 3600mm	19	38	56	75	93
146mm x 25mm x 5000mm	14	28	42	56	70
136mm x 25mm x 3660mm	20	40	60	80	100
140mm x 23mm x 3600mm	20	40	59	79	99
235mm x 23mm x 3600mm	12	24	36	48	60
235mm x 25mm x 3660mm	12	24	36	48	60

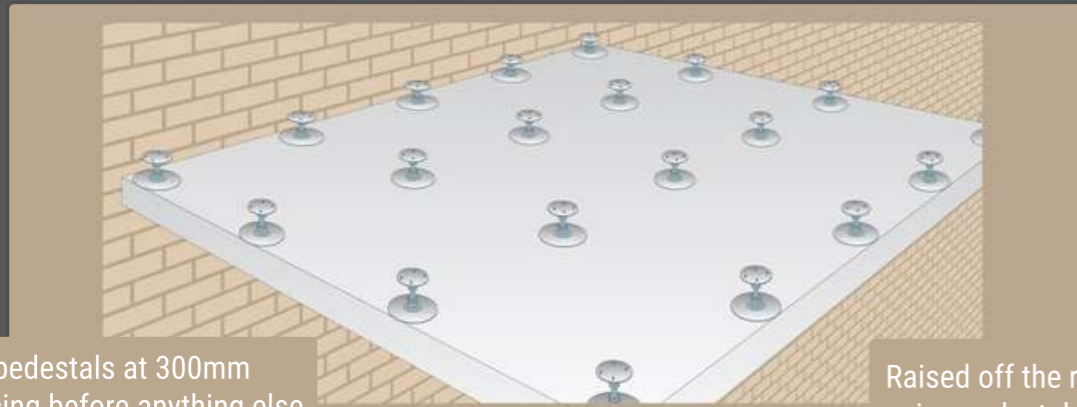
Note: Always round up the number of boards and include +5-10% for wastage

It is advised that double joists should be installed for any end on end board joins and ensure no boards overhang a joist by more than 10mm. Joists should be at maximum 300mm centres. The sub-frame should be installed to allow a 1:100 fall for water run-off.

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### INTRODUCTION

Decking bearers should be installed on a suitable sub-base pedestal system. This should be raised off roof level a minimum 10mm to prevent subframe sitting in holding water and allow ventilation for subframe to dry out as required. The roof beneath should have suitable drainage to prevent failure of the subframe. The minimum recommend is the use of our ecotred base pad, however it is advised laying a ecotred roll to protect the entire roof space. This is to provide a protection layer for the roofs membrane. Before laying ecotred roll, make sure roof membrane is clear of all dust and debris to ensure no splitting of membrane persues after insatllation.



Lay pedestals at 300mm spacing before anything else.

Raised off the roof using pedestals

Decking subframes should be constructed of suitable materials including treated timber, aluminium, steel or plastic bearers capable of supporting an installed deck and expected traffic/loads.

For timber sub-frames, we recommend 6x2 treated timber joists for external joist work and 4x2 for internal joists, sitting on a ped 35+ or cradle 1250 pedestal. These are specifically designed pedestals for timber bearers. We also recommend that a base pad is put under every pedestal as this adds an extra layer of protection to roof/ surface underneath. It also adds grip support. Protective deck tape is recommended for joist protection.



ped 35+



Cradle 1250

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### PEDESTAL INSTALLATION



Pilot hole composite bearers before fixing pedestals



Screw pedestals directly onto composite bearers. (fixing size will change depending on bearer size)



Pedestals running along an edge of an elevated area (flat roof, balcony or terrace) have edges that can be broken off to create straight edges

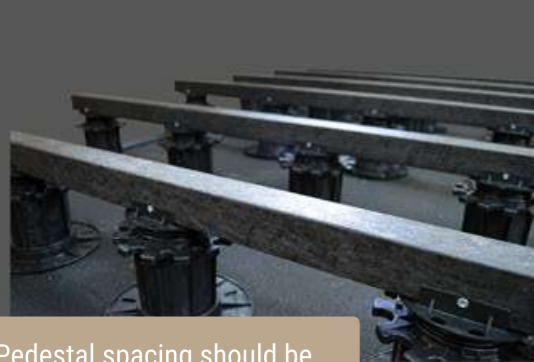


It is advised to use base pads under every pedestal this adds an extra layer of protection to roof/ ground underneath aswell as added grip support.

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### BEARER INSTALLATION

It is advised to continuously check pedestal and bearer heights with either a laser level or spirit level throughout the project.



Pedestal spacing should be kept to a maximum of 300mm per bearer



Base pads under every pedestal for better slip resistance



Decking will run opposite to bearers this is why it is important to keep Bearer spacing consistent and level



Spirit level being used to keep a constant check on bearer levels

Maximum bearer spacing (centre to centre) on residential properties must not exceed 455mm (300mm if on a 45° angle).

Always allow for adequate ventilation under the deck, use larger gaps and air vents if the deck is to be sunken or enclosed.

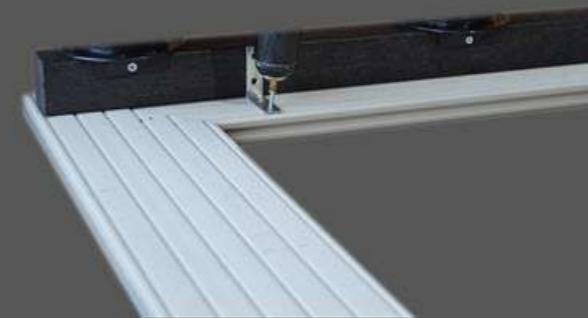
Please get in touch with our technical department for any more information.

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### DECKING INSTALLATION

Composite decking will expand and contract as the climate changes. If there is no room for the boards to expand, they will push against each other or the wall and eventually they will develop cracks.

Align the First Decking Board: Start by placing the first composite decking board along one edge of the deck frame. The board should be aligned with the edge of the bearers.



Always leave a 10-12mm gap around the perimeter to allow for expansion

The expansion gap required for board to board will differ depending on climate and what season the install is happening in.

End on end or 45° mitre joins require minimum 5mm - 8mm expansion gaps for 3.6m boards and 8 - 10mm for 5m length boards when installed in cold winter months.

In hot summer months a narrower gap of 3mm - 5mm for 3.6m boards and 5mm - 7mm for 5m boards is recommended.

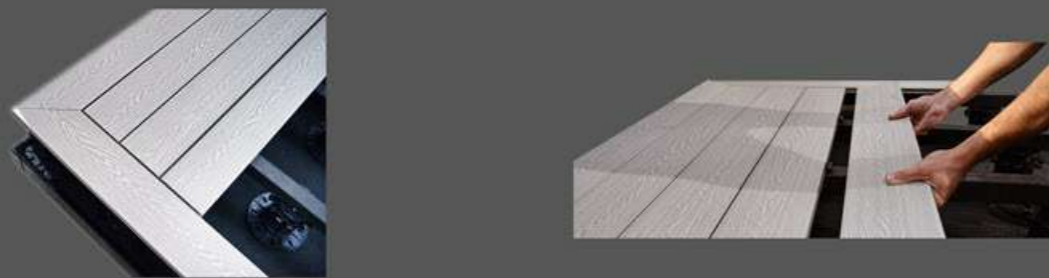


Ensure the screws penetrate deep enough to hold the board securely.

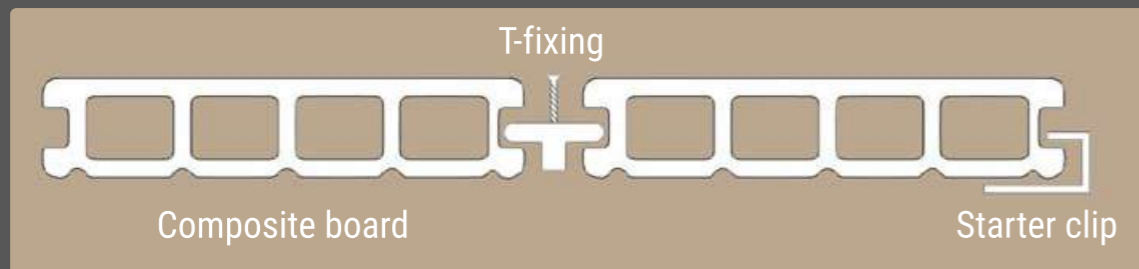
## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### DECKING INSTALLATION

After aligning the first board (edging/bullnose) around the perimeter, you can now lay the internal boards. For each successive length, leave the same gap between them as the end to end or 45° board. See the previous page for expansion requirements. This is essential for drainage and ventilation.



We recommend using manufacturer supplied T-fixings, starter clips and screws as designed to meet board dimensions and meet part of decking warranty.



Use 12 starter clips per 3.6m board and 16 - 17 clips per 5m board.

On 300mm centres, you need minimum 12 fixings per 3.6m board and minimum 16-17 per 5m board. For end on end joints or 45° joints, a fixing is required at the end of each board. No overlapping fixings.

Use spacers to maintain consistent gaps if required.

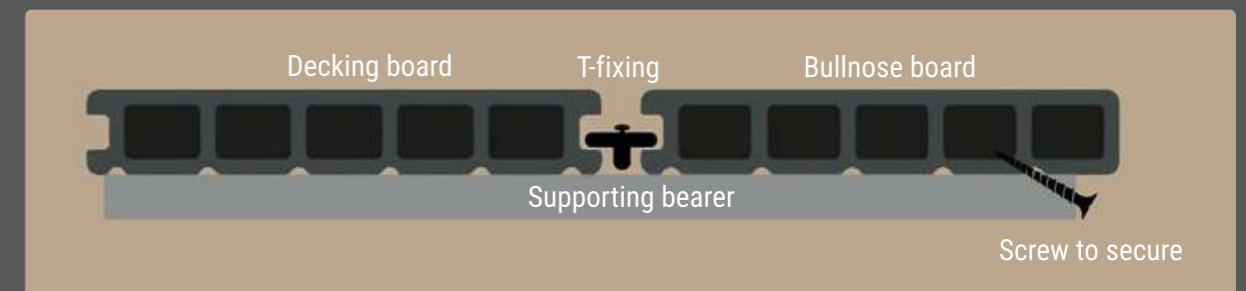
Use a spirit level to check that the decking boards are staying level and flush with each other. Adjust as necessary.

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### DECKING INSTALLATION

To secure trims, we recommend either using a strong flexible adhesive or L brackets connected to the board and bearer respectively, for a seamless finish. We recommend when using L brackets, that they get screwed every 200mm along the length to ensure a secure fit.

If you don't want to give an edge board a seamless finish, you could consider using a bullnose board. These are a specific finishing board made with a rounded edge at one side and match the colour of your decking perfectly.



Bullnose boards can be fitted using a screw securing the bearer and the board, angled upwards or like trims, an L bracket can be used to secure the subframe.

To calculate the number of bullnose/trims you will need, calculate the total linear metres of bullnose board coverage required and divide by the length of the board and round up to next whole number.



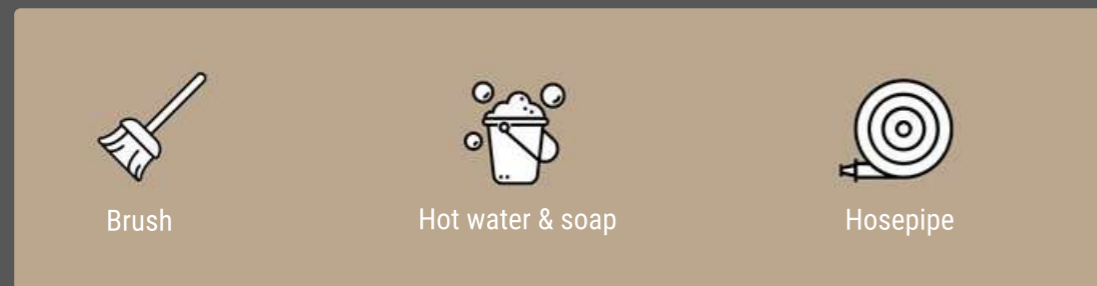
When attaching fascia boards to the side of the decking, it is important to make sure they are screwed down every 200mm (with 2 screws) along their length. Please allow the same spacing between fascia boards as for decking boards - both for board spacing and butt joint gaps. If you intend to use the heavy duty post at any length over 1.4m, then you must use a 2" scaffold pole down the centre to reinforce it. (pole must come up to within 500mm of the top of the post).

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### AFTERCARE AND MAINTENANCE

Your decking never needs to be painted or sealed but it is important to have a cleaning programme. Brush and remove any debris and spot clean any stains.

Composite decking boards can stain if exposed to harsh staining fluids such as rust and should be routinely cleaned with hot, soapy water to prevent harsh materials soaking into the boards.



Being constructed of wood and HDPE, composite decking boards are open to scratching from sharp edges. Be sure to ensure any furniture placed on composite decking are suitable and take measure to protect the decking from any sharp edges.

We can supply rubber mats in either square or circle shapes in different thicknesses, that furniture can sit on, at an extra cost. This will add another layer of protection to your new composite decking and reduce the chance of scratched, cut or dented boards.

We recommend buying at least 10 rubber mats for furniture to sit on, as rubbertech can't be held responsible for any damage caused to decking boards through furniture or any other items placement.

Should a scratch occur, lightly sanding the area is the best method of removal.

## INSTALLING PEDECK COMPOSITE DECKING SYSTEM

### UV FADE AND WARRANTY

1st Generation decking boards have natural tree fibres exposed to weathering and UV light.

1st Generation boards will weather and fade in the initial few months of installation with the settled colour no darker than the internal colour of a cut board (woodgrain side will always start darker to allow for this natural process).

Fade can happen at various rates and extents due to the natural variation of materials in the boards.

Be sure to regularly move furniture in initial months to allow for even weathering.

### WARRANTY

All composite decking boards are supported by a 10 year manufacturer warranty against cracking, splitting, rotting and excessive fade but must be fitted as per the fitting guidelines to ensure the boards have the structural support and ventilation required to perform. If you have any queries regarding the warranty and how it works, please get in touch with our technical department.

For any more help or support, please get in touch with our technical department.



If you have any questions in regards to the installation of our Pedeck composite decking system, please do not hesitate to get in touch with a member of our technical department.



Unit 5, Lon Parcwr  
Ruthin  
Denbighshire  
LL15 1NJ

Tel: 01824 702 666  
Email: [sales@rubbertech.co.uk](mailto:sales@rubbertech.co.uk)

[www.rubbertech.co.uk](http://www.rubbertech.co.uk)