



# Installation Guide

**A** Substructure Installation

**B** Delta Deck Board Installation

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## Introduction

Welcome to your **MyDek** installation guide. This guide has been produced to facilitate successful installation of your deck system.

As with any successful project, having the right tools for the job is an essential part of success and we've listed some recommendations below:

### Minimum Health and Safety Equipment



**Goggles or  
Safety Glasses**



**Gloves**



**Hard  
Hat**



**Safety  
Boots**

### Important!

Cutting aluminium produces swarf and sharp filings. Additionally, cut edges can be sharp. Always ensure you wear suitable protective clothing and thoroughly remove any burrs caused by cutting.

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## Tools and Equipment List



### **Circular Saw/Chop Saw**

with blade suitable for cutting aluminium



### **Jigsaw**

with blade for cutting aluminium



### **Pencil**



### **Tape measure**



### **Spirit level/ Laser level**



### **Cordless drill or screwdriver**



### **Driver bits:**

- Long shank T15 Torx bit (Vista and Innova systems)
- 8mm Hex driver (delta boards and Box rails systems)
- PZ2 Driver for end cap and edge trim screws



### **Vacuum cleaner**

for dust/filings extraction



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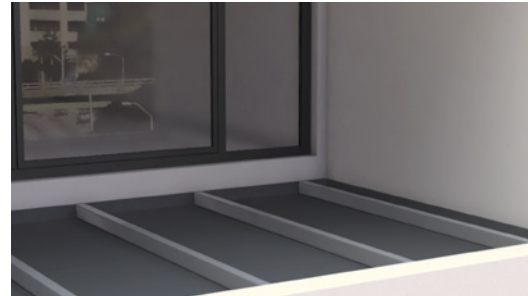
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# A Substructure Installation

## BoxRail™ and Cleat Substructure System

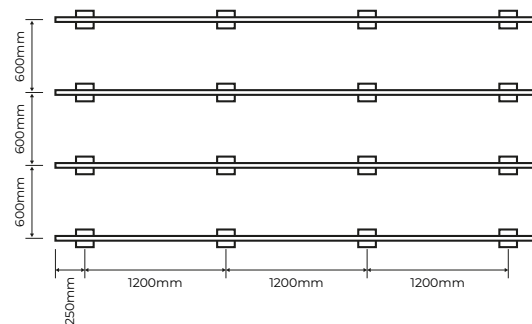
1. Plan and set out the balcony area with **BoxRail™** joists placed loosely at the correct spacings to accept the decking.

Ensure that there are joists close to the ends of the decking boards to provide support (preferably not more than 150mm cantilever at the end of board)

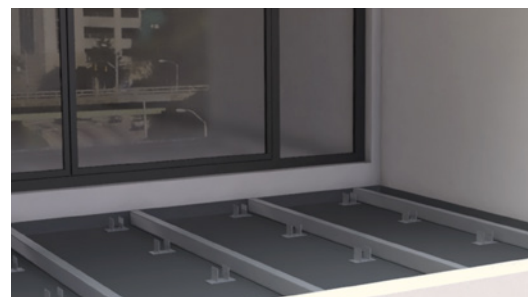


60 x 40mm **Boxrail™** or 50mm **Support Rail** – rails should be spaced at maximum 600mm apart with cleats at maximum 1200mm apart along the rail. Max overhang of joist beyond pedestal or cleat 250mm.

**NOTE:** if using the **Delta30** deck board, support rails can be spaced at maximum of 1000mm apart.



2. Set out a cleat foot at each point required using appropriate spacings along the length of the **Boxrail™**, usually 1200 - 1500 mm (refer to technical data sheets if unsure)



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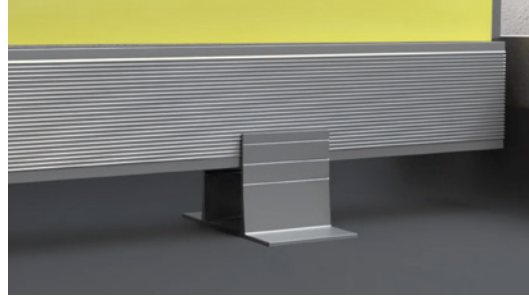
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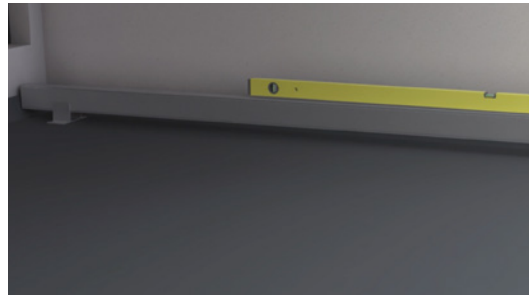
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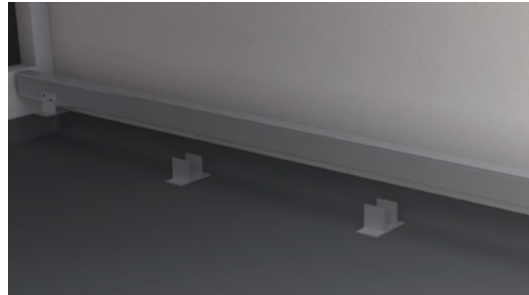
- 3.** Clip the first cleat foot onto one end of the **BoxRail™** and adjust to approximately the right height.



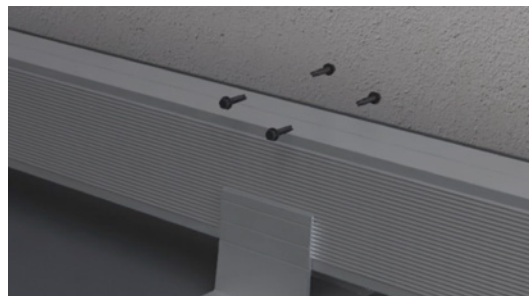
- 4.** Repeat at the other end. Place the **BoxRail™** carefully into position at one edge of the balcony and check level. Adjust the **BoxRail™** in the feet till a level position is achieved.



- 5.** Fit additional feet at approximate spacings in between the first and last foot, and adjust for height.

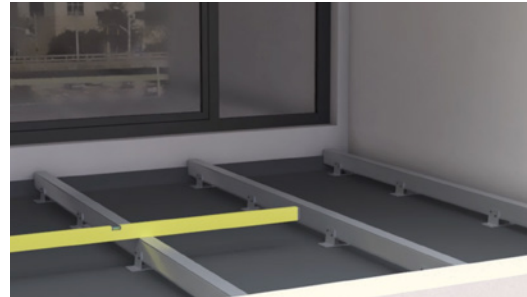


- 6** Using the groove as a positioning guide position 2 screws approx. 30mm apart to each side using the self drilling screws provided and fix through each cleat foot into the **BoxRail™**.



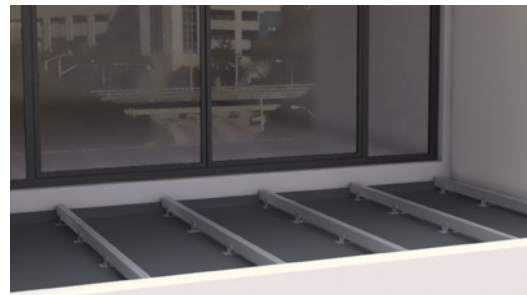
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- 7.** Repeat steps 3-5 on the other joists positions, levelling each joist with the previous one to maintain a level structure for the decking.



- 8.** Install decking as per Decking Installation Guide, later in this manual.

**Note:** Max overhang of board beyond joist: 150mm (200mm for **Delta30**)



#### IMPORTANT NOTE!

**MyDek** decking systems are lightweight, however any live and permanent loads will be transferred through the pedestals/supports and can impose significant point loads. Consideration should be given to the terrace surface to ensure;

- i. The structure is sufficiently strong and robust to accept the expected loads without undue deflection
- ii. Any waterproofing membrane will not be damaged by the proposed point loads throughout its design life. (please consult manufacturers guidance)
- iii. The surface is smooth enough to ensure full contact between baseplate and surface.

Should there be any concerns, consideration should be given to either providing spreader plates under the supports, or reducing the support centres. **MyDek** offer a range of spreader plates and can offer advice on indicated expected loads on request.

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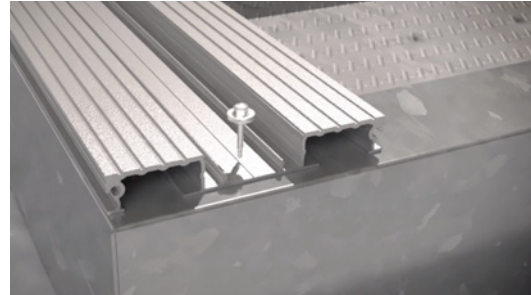


## B Delta Deck Board installation

### Delta Decking Board Install

1. Position the board in the correct location and fix into position using the **MyDek** self-drilling screws and washers provided.

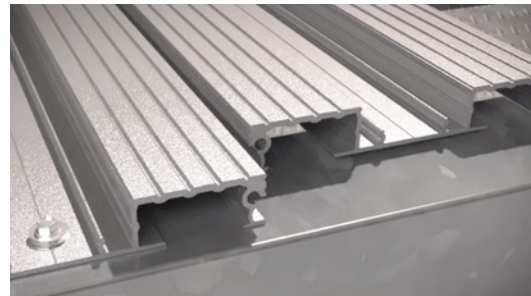
Supports should be spaced at maximum 600mm for **Delta20** and 1000mm for **Delta30**.



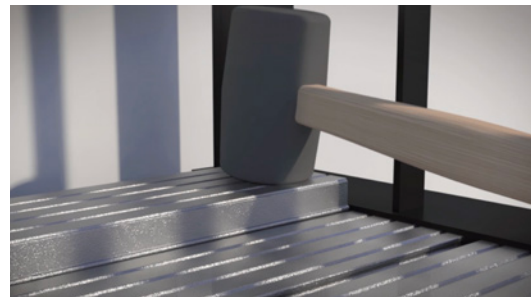
**NOTE:** Where boards are being fixed to a rigid substrate (for example a steel balcony) allowance must be made for thermal expansion by predrilling an 8mm hole in the base of the board at each fixing position, and leaving a min 3mm gap between board ends on runs in excess of .

2. Position the next board leaving a gap of 6mm (tip: using 6mm spacing packers makes this job quick and easy).

Repeat until the area is decked completely.



3. Once all boards are fixed, tap the capping channel into position using a rubber mallet.



#### **IMPORTANT!**

Once decking is installed, carefully clean the deck surface with a clean soft brush and if necessary a damp cloth to remove all swarf and dirt. Cover the deck completely with a protective layer e.g. correx board to protect from being scratched or damaged if further works are taking place around the balcony or terrace area prior to normal use. Only remove the protective layer once all construction work is complete and the decking is ready for normal use.



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## D FAQ's

- 1. Q. What are the maximum spans between the different boards?**  
A. Delta20, Vista & Innova recommended span is 600mm. Delta30 is 1000mm
- 2. Q. What is the maximum overhang from the last joist to the end of the board?**  
A. Delta20, Vista & Innova recommended overhang is max. 150mm. Delta30 is 250mm.
- 3. Q. What is the minimum construction depth of the sub-rail system.**  
A. Standard system is 65mm plus the depth of the board.
- 4. Q. What is the maximum depth that can be achieved.**  
A. Using the Premium subrail system depths of up to 400mm can be achieved.
- 5. Q. What is the maximum recommended joist overhang from a pedestal to the end of the joist.**  
A. Maximum recommended overhang is 250mm.
- 6. Q. How do we remove any burrs caused by cutting?**  
A. Carefully remove any burrs using a flat file or medium grade abrasive paper.
- 7. Q. How do we repair minor scratches?**  
A. Using typical car body panel repair techniques, gently abrade the surface around the scratch using a fine grade abrasive paper remove any dust and contamination using a degreasing wipe. Spray the affected area using a acrylic spray paint at 30% gloss (sometimes called satin) finish.

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## E Care & maintenance

Congratulations! You are lucky enough to have a **Mydek** Non-Combustible Decking System!

Your decking is made from aluminium and has been produced and tested to the highest standards of the industry. With simple and regular care will last many years to come. Aluminium will never burn, rot, rust or warp so you can relax in the knowledge that you are safe and sound.

Here's a few simple do's and don'ts to ensure your decking remains in optimum condition.



### Do:



Keep your deck free of dirt and debris by regular sweeping (at least every 2 weeks) with a soft brush.



Try to lift furniture or planters rather than drag them across the deck surface.



Wash your deck down regularly with clean water and a mild detergent if required. We recommend a minimum of 2 times a year. Clean, wet surfaces can be allowed to air dry or can be wiped clean with a soft cloth.



Check your decking carefully once a year to ensure no fixings are working loose, and simply tighten them using the appropriate driver bit if necessary.



Use furniture with rubber or plastic feet to prevent unnecessary scratching of the decking surface.



***Use your balcony and deck safely and enjoy!***



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## Don't:



Use sharp or abrasive materials to clean your deck (e.g. wire wool, abrasive papers or scrubbing tools). This may cause scratching of the coating which will affect the appearance.



Use furniture with metal feet which can scratch the decking if dragged across the surface.



Use abrasive salt grit for de-icing purposes. Instead, use easily soluble salt.



Use oil/wax sealants, coatings, or polishes on the decking as this may cause the surface to become slippery, especially when wet.



Use aggressive acid or alkaline chemical to clean your deck.



## If:

Your decking becomes damaged or scratched, **Contact Us** to ask for advice or to purchase a repair kit. Damaged deck boards may be removed and replaced if necessary but always check with your building manager or landlord if you live in a multi-occupancy apartment block. Mydek accepts no responsibility for the unsafe removal of deck boards from balcony environments.

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# About MyDek®?

The **MyDek** team harnesses a huge range of experience, creativity, passion and drive to make balconies and terraces safe places to be. Drawn from different areas of the construction industry our team brings together extensive knowledge of specification, technical compliance and outstanding innovation to create a non-combustible decking system that delivers on our mantra of Safe. Smart. Sustainable. **So relax, you're in safe hands.**

## Safe. Smart. Sustainable.

Our ethos runs through everything we do. We're passionate to ensure that our products reflect these values and make a significant contribution to residential balconies and terraces as safe and enjoyable places.

**Quite simply, you're going to love this.**

The philosophy that supports all our products



### Safe.

- Class A2-s1,d0 fire rated non-combustible aluminium
- Non-slip surface coating gives PTV rating of 59
- Durable alloy won't rust or rot
- 30 year warranty



### Smart.

- Attractive board design in range of colours
- Lightweight material reduces structural loads on buildings
- Fast fit system saves time and money on installation



### Sustainable.

- Made from recycled aluminium and is 100% recyclable.
- Low maintenance material gives 60 year service life
- Ready availability and easily recycled ensuring a low whole-life cost.

**MYDEK®**  
Non-combustible decking systems

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