

PDKIT

Patio Deck Kit



Transform an existing concrete or tiled patio area into a premium looking deck area with our easy to install aluminum joist system.

Features and Benefits

- Enables super-low decks over concrete or tiled surfaces with a deck height as low 54mm (35mm Aluminum Channel plus 19mm decking).
- Easy to install for the professional or the handyman.
- Engineered aluminum profile for extra joist strength and prolonged life in outdoor exposed applications.
- Strong engineered nylon base clips will last the life of your deck.
- In most instances, base clips can be adhered to concrete/tiles with the use of adhesives, meaning you do not need to penetrate your concrete or tiled surface/membrane.

Material

- Joists - Engineered Aluminum
- Clips - Engineered Nylon Base Clips
- End Caps - Nylon

Dimensions

- Height to top of batten is 35mm

Product Information

Model No.	Product Description	Box Qty	EAN	Weight (kg)	Box Dimensions (mm)		
					Depth	Width	Height
PKADJ	Patio Deck Kit Height Adjuster. 36 x Height Adjusters for Patio Deck Kit. Allows aluminium joist adjustment in small increments.	36 pieces	707392025276	2.2	470	140	110
PDKIT	Patio Deck Kit. 9 x 1m Long Aluminium Joists +36 Base Clips. Covers Approx 3.6sq metres.	9 sets	707392025252	8.1	1145	100	130

Note: No bolts, washers, anchors are included unless stated otherwise.

Approved Adhesives	Coverage
Any MS, SMX or Polyurethane-based outdoor adhesive is acceptable	Approx 1 Cartridge 6-12 sqm

PKADJ	PDKIT		
Box of 36	9 x 1m Aluminium Joists	36 x Base Clips	9 x End Caps



Simpson Strong-Tie® Australia
Call **1300 STRONG (1300 787 664)**
www.strongtie.com.au

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PDKIT

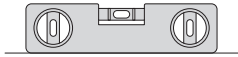
Patio Deck Kit



Installation Steps

1. Check for Level Surface

If concrete requires leveling proceed to Step 2.



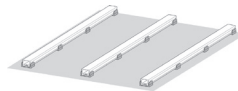
2. Apply Concrete Leveler

Mix a batch of "concrete leveler" with water and pour over areas with depressions allowing concrete to level out. Allow 24 hours for concrete to cure adequately.



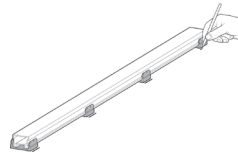
3. Set Out Joists

Clip base clips to aluminum joists at approx. 330mm between centers and set out joists on the area. Max distance between joists is 450mm. Lay out joists on concrete as they should appear in final set-out.



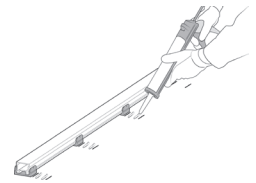
4. Mark Spots for Adhesive (optional)

Mark down both sides of the nylon base clips with a pencil line.



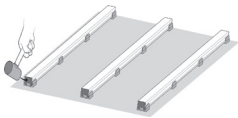
5. Apply Adhesive

Move the joist slightly to one side now pencil lines have been marked. Working a single joist one row at a time, apply two small beads of adhesive approximately 6mm to 8mm in height and 30mm to 40mm wide to marked spots. Use only approved adhesives.



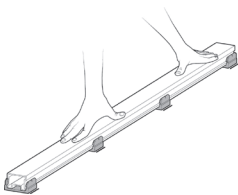
6. Fit End Caps

Gently tap with a hammer or mallet to fit the end caps into the aluminum joists.



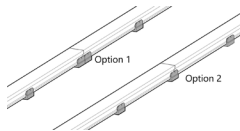
7. Fixing Joists

Place joist, with base clips attached, back onto adhesive - push down with medium force and allow to set.



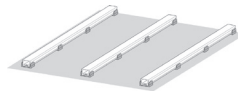
8. Joining of the Joists

Important: To allow for maximum thermal expansion of joist, please provide a 1mm gap between joists at ends. There are two options for joining the joists together:
Option 1: Using two Nylon base clips next to each other.
Option 2: Using a single base clip, making sure join lines up with the notch in the Nylon base clip.



9. Fixing the remainder of the Joists

Repeat Steps 4-7 for each other row of joist until deck structure is complete. Double-check that all joist are level before the adhesive has cured.



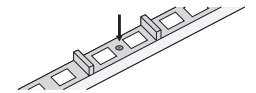
10. Allow Adhesive to Cure

Allow 48 hours for cure - your Patio Deck structure is now ready for you to lay your decking boards.



11. Fix decking boards to joists

Affix Snap-Loc clips using self drilling galvanised wafer or button screws (max length 20mm). Other solutions may be applicable.
Note: All fixing options are sold separately.



Installation Tips

1. Cut aluminum joist using fine tooth aluminum cutting blade.
2. If you have a waterproof membrane, the nylon base clips can be fixed to your concrete or tiles using a Hybrid Polymer adhesives, eliminating the need for penetration of the base surface. Always check with the membrane manufacturer before using glue directly to membrane.
3. For concrete surfaces the nylon base clip can be fixed using Titen Turbo 6.5 x 45mm Countersunk Anchor Screw Anchors (TNT25134TF) or a combination of 8 mm masonry anchors fixed at both joist ends and shared joints. For the remaining nylon base clips in between both joist ends, can be fixed to the concrete or tiles using Adhesives.
4. (Optional) Patio Deck Kit Height Adjuster – allows the PDK assembly to be adjusted in small increments to a new maximum top of joist height of 68mm.

Note: Additional corrosion protection may be required for severe/coastal areas.