

Installation Instructions



Please read instructions start to finish prior to installation.

Shadow Deck Fasteners are suitable for use with any kiln dried decking timber. For the best long term results, we recommend the use of any hardwoods.

Timber dimensions -
19 - 40mm thickness x 90 - 140mm wide.

Depending on the application, in addition to the **Shadow Deck Fasteners**, the use of a weather proof construction adhesive to secure the boards to the joists is recommended.

Also required for installation

- An electric biscuit cutting tool or bench saw
- T15 Torque Head Drive Drill Bit Attachment
- Exterior construction adhesive
- Exterior water resistant sealer/stain

Installing the First Board

Commence laying the first board starting from the end of the deck closest to the building structure.

To fasten the first board, drill a pilot hole near the outside edge of the board closest to the building on all joist intersections. Then secure using stainless screws or with galvanized angular grooved jolt head nails.

Using the biscuit cutting tool, at each joist intersection cut a slot into the side of the decking timber. These cuts are approx 70-80mm long x 4mm thick starting exactly 11.5mm up from the bottom of the decking board.

Figure One – Shows first board in place.

NB: The slot allows for expansion and contraction of the boards.

Figure 1.

Starting point with counter sunk screw

Joist locator foot, keeps fasteners inline, and screws center of joist



Gently tap a **Shadow Deck Fasteners** into the slot which will ensure the board is tight and in the correct position for fastening. Fix the fastener in position using the special powder coated 6 gauge 50mm stainless steel screws provided.

Torque down the screws so the Shadow Deck Fastener is firmly in position but not over tightened which will cause the fastener to distort.

Installing the Additional Decking Boards

Cut a new slot on both sides of the decking board at each intersection with a joist.

Position and tap each board into the previous Shadow deck fastener. Use a wrench to pull any out of shape boards into position for fastening.

Repeat the above process until all the decking is secured.

Figure Two – shows the dimensions of the biscuit cut.

Figure 2.

70 - 80mm
Allow space for expansion & contraction
Biscuit Cut or Pre-grooved
Screw at 40° for maximum strength



Figure 3.

Perfect 3mm or 5mm gap everytime
Shadow Deck Fastener



Installing the Final Board

The final outside board is fixed in a similar process as the first board, the inside face secured with a **Shadow Deck Fastener** and the outer edge using screws, nails or construction adhesive for the perfect finish.

Use **Shadow Deck Fasteners** 'Butt End Joint biscuit' to help secure and align perfectly the butt ends of two decking boards over joist intersections.

Figure 3 – Shows the biscuit cut and fastener between board ends.

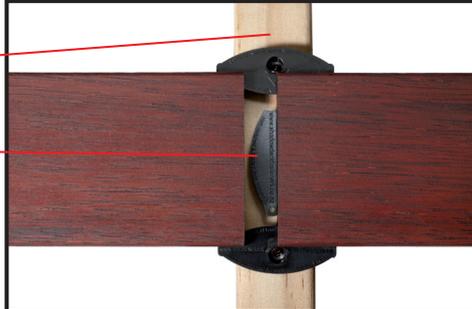
Shadow Hidden Deck Fastening System

Installation Instructions



Joints must always meet on a joist

Butt end joint biscuit adds strength to the join.



Glueing joint with exterior construction adhesive is a good option for strength



Perfect Join every time



*“strong joins
- help prevent
timber from twisting
and splitting”*

Stockists

Shadow Hidden Deck fasteners are found at all leading hardware stores. If your nearest hardware store, timber yard or building supplier isn't stocking **Shadow Hidden Deck fasteners** yet, contact us via phone or email or ask for **Shadow Hidden Deck fasteners** by name.

T: 021 415 632

E: info@shadowdeckfasteners.co.nz

Attention Builder

Allow moisture in the deck boards to reach the ambient moisture level of the surroundings prior to installation.

Adequate airflow and proper ventilation beneath the decking is important to the long term durability of the deck.



SHADOW DECK FASTENER BENEFITS

- » Superior finish with no more nails
- » Smarter looking & longer lasting deck surface with a perfect 3mm or 5mm gap everytime
- » Helps prevent timber from twisting & splitting
- » Stronger, easier, safer & up to 30% faster to install (with pregrooved decking timber)
- » Shadow Deck fastener's have a joist locator foot which automatically aligns the biscuit
- » No more stubbed toes on raised nail heads
- » Cost effective saving you time & money
- » Shadow Deck Fasteners gives you ease of rejuvenation - you have the option to floor sand your deck unlike screwed or nailed decks

For more information visit our website www.shadowdeckfastener.co.nz