



The Sustainable Alternative

Fixing Instructions for ModWood

Storage & handling

Store ModWood in a flat, dry area under roof and off the ground. Always carry ModWood on edge.

Ventilation

Good ventilation for your deck is essential. Check our chart for ground clearance information. Do not seal off deck ends, preventing airflow.

Installation

Fixings should not be closer than 15mm from the end of the board.

Fasten 20mm from outside edge of the board. You can also fasten the 88mm decking boards using one screw/nail per joist in a zig zag pattern - see diagram (you will still need to fasten two screws/nails on the ends of each board). When butt joining top fix boards it is recommended to have 45mm joists. Do not create a seam of joins.

Screw fixing

Pre-drilling and countersinking is essential when fixing with screws. Drill-bits used should be of at least the outside diameter of the screw thread (preferably slightly oversize). We recommend as a minimum, galvanised coated screws for low corrosion areas and stainless steel screws for high corrosion areas. Screw down with low to medium torque. Do not 'overdrive' screws, particularly near the ends of the boards. Screw should finish 'flush' with top of board.

Nail fixing

Pre-drill with a drill-bit large enough to provide a slight clearance on the hole, then fix with a dome-head galvanised nail.

Do not punch the nail heads under the surface. In high corrosion areas, we recommend stainless steel decking nails (pre-drilling clearance hole still required).

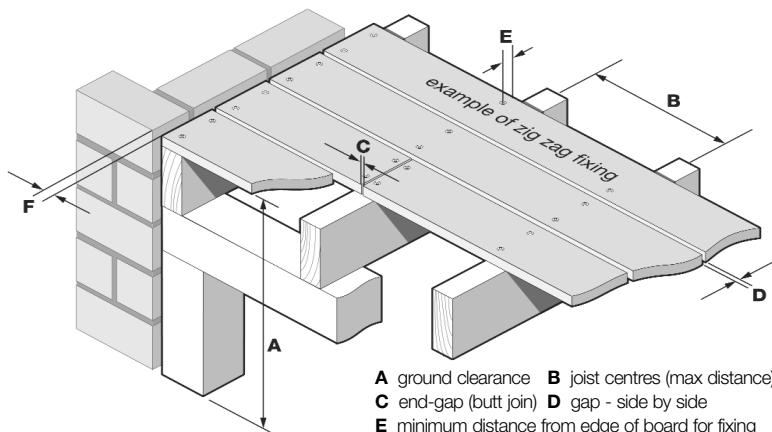
Nail Guns

Should you decide to use a nail gun, you need to satisfy yourself that nail penetration and retention is satisfactory. Such tests should be carried out prior to installation.

As with all decking, we believe the preferred methods of fixing are drill and screw, or drill and nail. Our preferred nail gun is the Paslode Duo-Fast KD665A Coil Nailer.

Use dome head stainless steel decking nails. Double fix on each joist. We do not recommend nail guns for use on decking greater than 23mm thickness, nor for use on steel joists.

Pre-drilling and hand nailing is essential when fixing boards within 50mm of end of the board.



A ground clearance **B** joist centres (max distance)
C end-gap (butt join) **D** gap - side by side
E minimum distance from edge of board for fixing
F end-gap to solid structure **Refer to chart below**

Concealed Fixing with ModWood

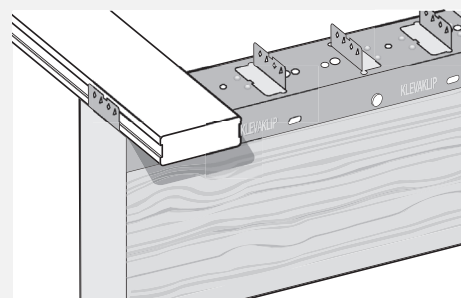
Only ModWood solid section boards can be used with concealed fixing products.

KlevaKlip is the preferred method of using concealed fixing with ModWood.

For all information on KlevaKlip, please contact www.klevaklip.com.au

Please note that when using concealed fixing products, it is still important to ensure that the ModWood standard gapping spacing's for side-by-side, butt-joints, and end spacing's are still strictly adhered to.

Important please check you use the right model KlevaKlip to fit the right model of ModWood. Refer overleaf.



ModWood Fixing Specifications

	decking solid (mm)	decking wide (mm)	marina board solid (mm)	mini board screening**
Dimensions	88 x 23mm	137 x 23mm	137 x 32mm	68 x 17mm
A minimum ground clearance	300	300	300	na
B joist centres (max distance)	450***	450	600	1200**
C minimum end-gap (butt join)	2	2	2	2
D minimum gap - side by side	4	4	6	8
E minimum distance from edge of board for fixing	20	20	20	20
F minimum end-gap to solid structure	6	6	6	6
screws (pre-drill & c'sink)	yes	yes	yes	yes
dome-head nails (pre-drill)	yes	yes	yes	yes
nail gun acceptability *	yes	yes	no	yes
zig-zag fixing acceptability - not suitable for nail guns	yes	no	no	na
suitability for fixing to steel substructures	refer to website	refer to website	refer to website	refer to website
fixing over concrete	refer to website	refer to website	refer to website	refer to website
suitability for commercial applications	yes	yes	yes	yes

* - use only dome-head nails from "coil-nail" gun. Pre-drill and hand nail when within 50mm of end of board. Not our preferred fixing method.

** - Refer overleaf for fixing instructions of screening

*** - 400mm centres for Commercial applications

In all cases, when screwing down do not overdrive screws. Fix with low to medium torque. Do not punch nail-heads under surface of board. Fixing too close to the end of the board may cause splitting. Do not fix within 15mm of end of board.



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ModWood thermal expansion properties – fixing tip

The temperature of a ModWood board sitting in full sun for a length of time is approx. 20-25°C warmer than the ambient air temperature.

As ModWood expands in heat and sun, to avoid building stress into your deck and having possible lengthways shrinkage, it is best to fix your

decking boards when the ambient temperature is less than 25°C and when the boards are not sitting in full sun (see “coefficient of thermal linear expansion” on our website).

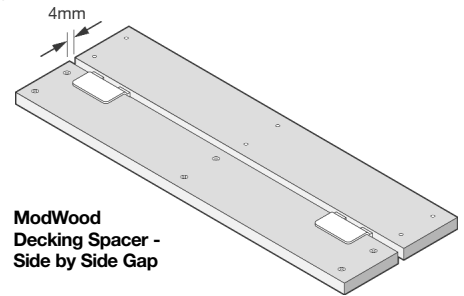
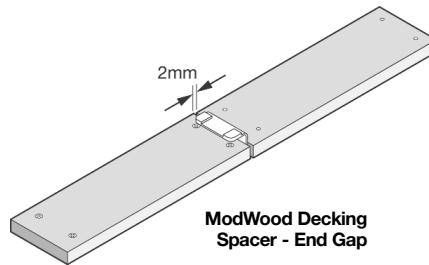
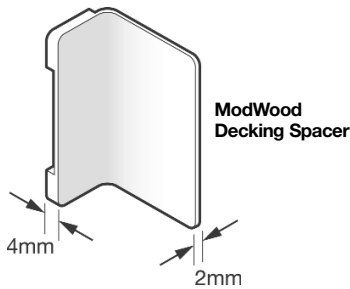
ModWood Decking Spacers

ModWood decking spacers, as seen below, have been developed to make your installation easier, and in line with ModWood fixing instructions.

Note: Every pack of ModWood comes with 10 free spacers (used as strapping

holders on the corners of full packs).

Extra spacers are available from your local ModWood retailer, or by contacting the ModWood distributor in your state.



Typical Fastenings used with ModWood

Up to 23mm thickness boards

Fixing to timber - 8 gauge x 50mm countersunk head screws
- 2.8mm x 50mm dome head decking nails

Nail guns

- C2.5 x 52 Dome R Coil Nails (Ring shank for softwood joists)
- C2.5 x 52 Dome S Coil Nails (Screw shank for hardwood joists)

Fixing to steel - 10 gauge x 40mm self tapping 'tek' screws

Over 23mm thickness boards

Fixing to timber - 10 gauge x 65mm countersunk head screws
- 2.8mm x 65mm dome head decking nails

Fixing to steel - 10 gauge x 50mm self tapping 'tek' screws

General:

- Pre-drilling and countersinking is always essential
- The hole drilled should be slightly greater than the 'outside diameter' of the screw thread - do not penetrate the joist
- Screw down with low torque, especially at ends of the boards
- Ensure the head of the screw rests only marginally under the top of the board
- Fasteners in low corrosion areas should have galvanised coating or equivalent
- In high corrosion areas we recommend stainless steel fasteners
- Use only fixings which comply with Australian Standards

Concealed Fixing with KlevaKlip

It is critical that the correct model of KlevaKlip is used with the right model of ModWood. The Natural Grain Collection of boards have a groove on edge and suit the following KlevaKlip models:-



88mm with groove on edge

KT88G Top Fix Clip Galvanised
KT88S Top Fix Clip S/Steel
KS88G Saddle Clip Galvanised

137mm with groove on edge

KT137G Top Fix Clip Galvanised
KT137S Top Fix Clip S/Steel
KS137G Saddle Clip Galvanised

Please refer to www.klevaklip.com.au for fixing details and adhesive instructions.

For non-grooved 'Traditional' colour range please contact ModWood or KlevaKlip directly.

ModWood Fixing Instructions for screening

Upright must be rigid and fixed at base, eg. 75 x 75 steel or 90 x 90 timber - do not use ModWood for the upright.

1200mm between uprights on continuous span (on edge). 800mm between uprights on single span (on edge).

Fixing too close to the end of the board may cause splitting. Minimum side by side gap is 8mm.

Do not fix within 15mm of end of board. A single fastener per post positioned in the centre of the board is suitable.