

## KSL137N Snap-LOC Clips Install Instructions

### For ModWood 137mm XTREME GUARD® and Natural Grain Collection Decking

- When installing Snap-LOC clips in direct sunlight especially on hot days, make sure you don't fix more than two end on end per joist at any one time. Being polymer-based, clips can expand slightly in the heat. This is not an issue once clips are fixed down.
- When installing ModWood's Flame Shield® 137mm decking in Bal rated bush fire areas our Traditional Metal Clips (KT) must be used.
- The KSL137N Snap-LOC clips are designed to fit the ModWood 137mm x 23mm XTREME GUARD®, 137mm x 23mm Natural Grain Collection Decking (NGC) and the 137mm x 32mm Marina Board.
- Thought should be given to finishing the last board option at the front of your deck before actual commencement of your deck.
- Whilst the fixing of the boards into the clip is fast and will save time over conventional hand fixing, it is important that extreme care is taken in installing your first row of clips. This will govern the straightness of your deck.

#### ADHESIVES GUIDE FOR KSL137N SNAP-LOC CLIPS

Board Type	Coverage
ModWood 137mm XTREME GUARD® or Natural Grain Collection Decking	1/300ml tube covers up to 12m <sup>2</sup>

#### Approved Adhesives



Soudal: SMX50, SMX35, T-Rex Flexi



Fuller: Tool Box



Sikaflex: 11 FC



Selleys: 3 in 1

#### FASTENERS GUIDE FOR KSL137N SNAP-LOC CLIPS

Joist Type	Fastener	Type & Size	Fasteners per clip KSL137N
Timber (Hardwood or Softwood)	Screw	* Galvanised 8 gauge 20-25mm Button Head screw (head height less than 2mm)	2 per board space (8 per clip)
	Connector Nail	Galvanised Strong-Drive SCN 38mm x 3.32mm connector nail	2 per board space (8 per clip)
Metal	Screw (self-drilling)	Galvanised 10g x 16mm Wafer Head screw (head height less than 2mm)	2 per board space (8 per clip)

Note: All Galvanised or equivalent fasteners should meet Class 3 coating requirements at minimum. In high corrosion areas, the use of 316 stainless steel fixings are recommended.

\* Use counter-sunk head screws if button heads are not available. When using counter sunk head screws make sure the screw head is sitting below the 2mm rib on the clip.

#### Decking installed in Snap-LOC



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## Step - 1 Positioning the front clips to the outer side joists

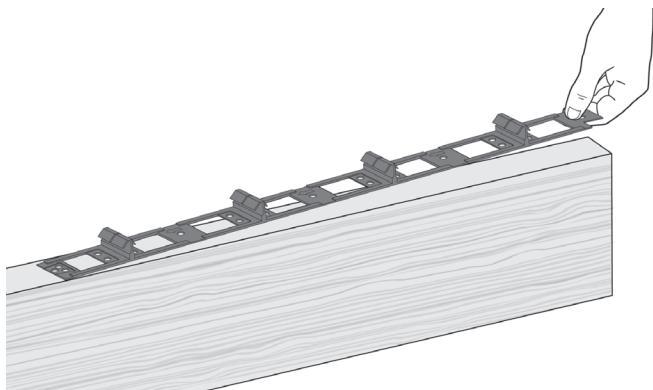
Starting from the outside front edge of your deck place a clip on each one of your outer side Joists of your decking substructure.

Full deck board widths are recommended at the front of your deck, so at this point you need to consider the set-out of the deck:

In order to address the fascia you are going to use (see Step 9), you need to make the decision on whether you wish to have an "overhang" finish, or a "flush" finish.

For "overhang" finish – go to Step 1 (a)

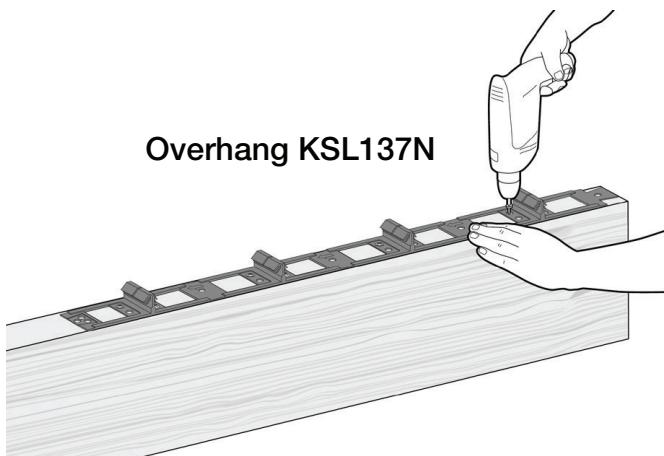
For "flush" finish – go to Step 1 (b)



### Step 1 (a) - Overhang Method

Refer to Step 9 (a)

Fix the clip to the front joist making sure the front of the "dovetail" joiner is flush with the front joist and fitting squarely to the outside edge of the joists.



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## Step 1 (b) - Flush finish method

Refer to Step 9 (a)

The flush finish utilises the outside upright on the clip to secure the front edge deck board. You will also need to cut the outside tooth and base of the clip as shown in the diagram opposite, so as the gap between the front edge deck board and fascia board is correct.

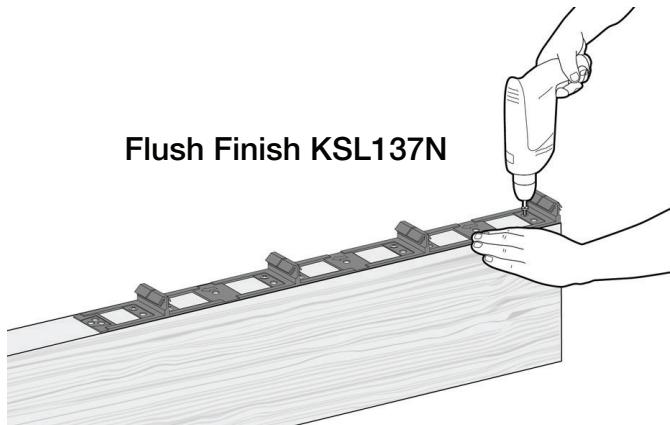
Fix the clip to the joist making sure the front of the upright is flush with the front of the joists and lines up squarely to the outside edge of the joists.

Alternatively, you can screw fix the front board using colour-coded screws by cutting the whole upright off and use the 4mm base of the clip as a packer.

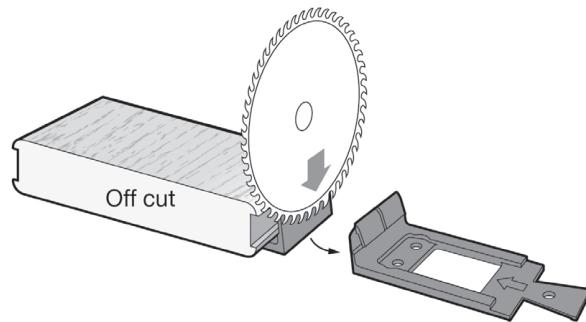
**Important Note:** Cutting the clip with a drop saw will give you the cleanest cut however, it is critical you place a piece of off-cut decking into the clip prior to cutting, otherwise the vibration of the saws teeth hitting the clips tooth can cause the tooth to shatter.

### If starting from the back of your deck (at the house)

You can also use the flush finish method if you are starting from the back of your deck, however we suggest you place the clips on the end joists towards the front end of the deck to check squareness of the structure, and ensure you can achieve full board widths at the front of the deck.



### Flush Finish KSL137N



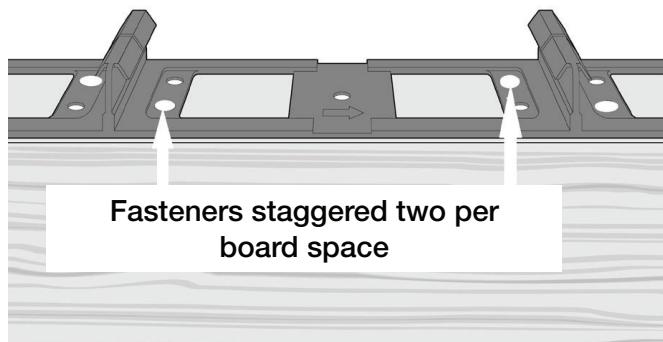
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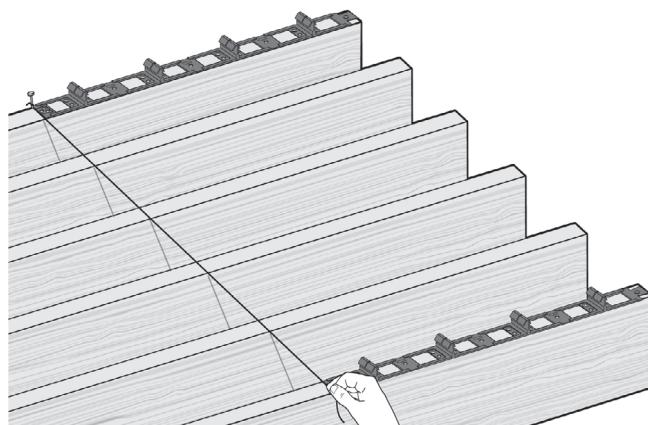
**Step 2 - Fixing the front clips to the outer side joists**

Your first clips should be fixed by hand to ensure accuracy. The KSL137N requires two fasteners per board space (8 per clip) all fixed diagonally. When using a CCN64 Pneumatic Collated Connector Nailer fire directly into the provided holes.

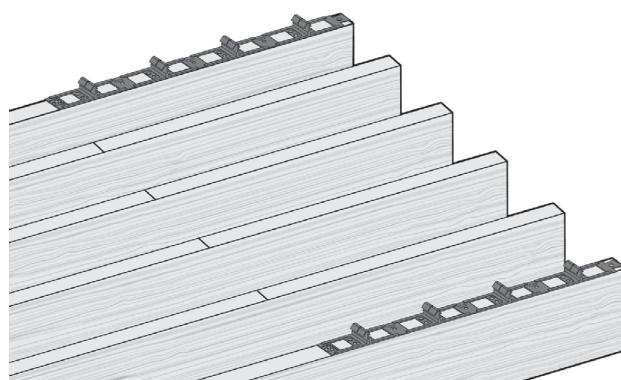
**TIP:** Time saving benefits can be achieved by utilising CCN64 collated connector nailer to secure the inner rows of the clips on to Timber Joists.

**Step 3 - Positioning the front clips to the inside joists**

Once both outer side clips have been securely fastened to the joists, run a string chalk line from one of the outer side clips across the inner joists of the deck on to the other outer side clip.

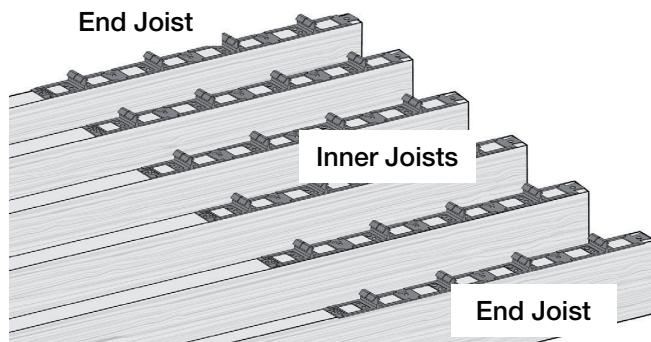


Pull string tightly and flick the string line and this will mark a chalk line on all the internal joists between the two outer side joists.



Using this chalk line mark you can then correctly position the remainder of front clips on to the other internal joists. Fix to the joists using the same fixing methods as described in **Step 2**.

Using this method will align your inside clips directly inline with your outside clips and alleviate any incorrect internal joist lengths.

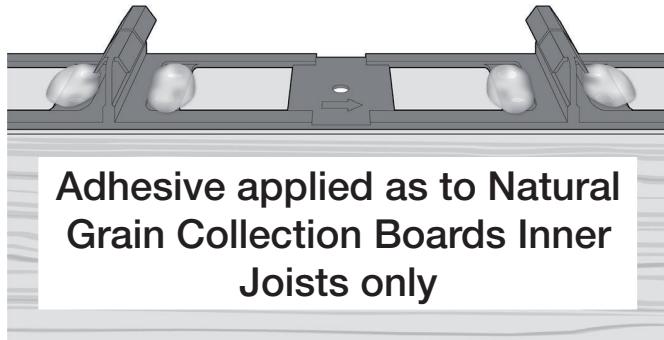


## KSL137N Snap-LOC Clips Install Instructions

## Step 4 - Applying Adhesive to your Clips

## FOR MODWOOD NATURAL GRAIN COLLECTION BOARDS

To reduce movement of the boards you must apply 2 x small amounts of MS Polymer Adhesive approximately 8mm high by 8mm in diameter to your inner joists.



For boards at the end of the joists you must apply 8mm full bead of adhesive across the clip.



## FOR MODWOOD XTREME GUARD BOARDS

Two full (8mm high) beads of MS Polymer Adhesive must be placed right across the clip on every board space on every clip.



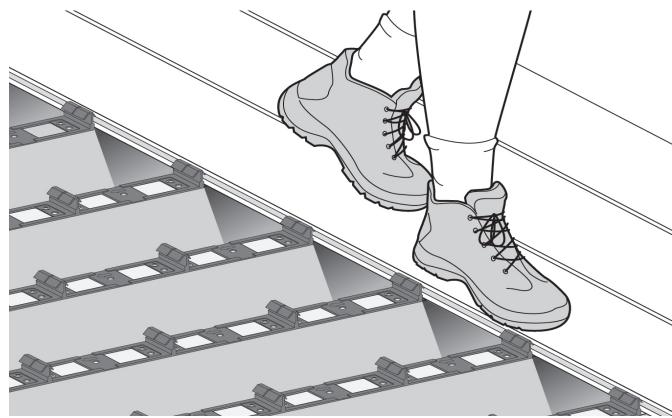
**Note:** Insertion of boards into the clips must be done within 5 mins of applying adhesive to ensure correct adhesive properties. It is advised to test the adhesion prior to installation, as different adhesives performance may vary with different board types

## Step 5 - Inserting your Deck Boards

Place the complete length of the ModWood deck board on a slight angle and insert the leading edge of the groove into all the teeth.

Once the complete length of the board's groove is engaged into all the teeth ensuring the outside clip uprights are visible on the outside edge of the ModWood, simply walk on the outside edge of the deck board until it engages into the clips.

Repeat the processes in Step 4 and 5 until all the deck boards are inserted into the clips.

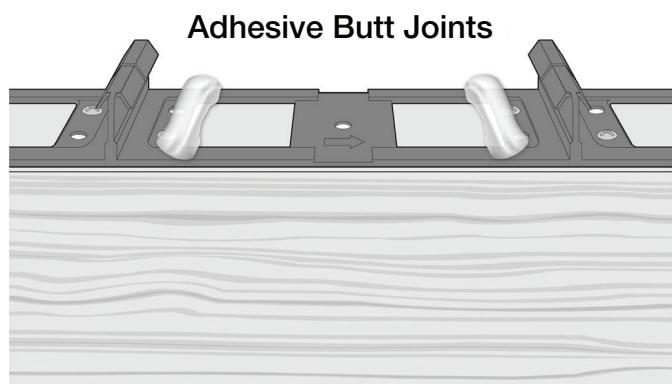


## Step 6 - Butt Joints

At the top of each clip uprights you will see a notch. This notch is designed to line up with each your butt joints.

Apply a small bead of Adhesive approximately 8mm high across both sides of the clip. Insert your deck boards as instructed in Step 5 making sure you leave a 2mm gap at the butt joint as per ModWood installation requirements.

**TIP:** It is important that your butt joints are square and line up with the notch in the clip upright.

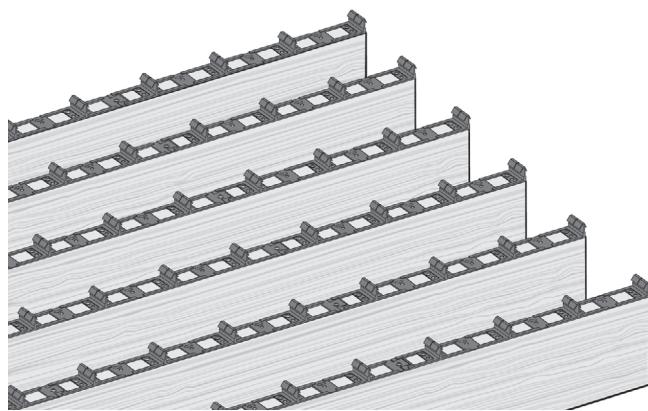


## Step 7- Installing the remaining clips

Now you have completed your first front row of clips and deck boards it is time to fix the remainder of the clips to the joists. Simply place the next clip at the back end of the previous clip making sure both clips are hard up against each other.

The "dovetail" joiner at the ends of the clip makes this fast and easy to get right.

Secure the remainder of the clips to the joists using the same fixing methods as described in fixing the clips **Step 2**, Apply adhesive as described in **Step 3** and Insert your deck board as described in **Step 4**.

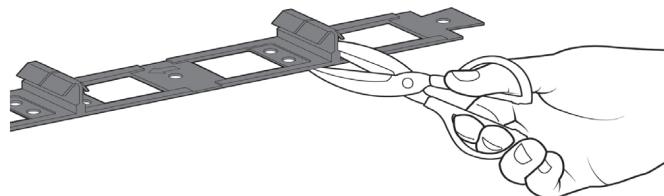


## Step 8 - Modifying clips

**TIP:** You can design your deck width to suit full clip lengths and ModWood board widths.

However, in some cases you may have to cut the clip to fit. This will happen at the back of the deck generally against the house end.

The clips are designed either to take a half width board at this end or you can cut the clip with snips to utilise any board width.



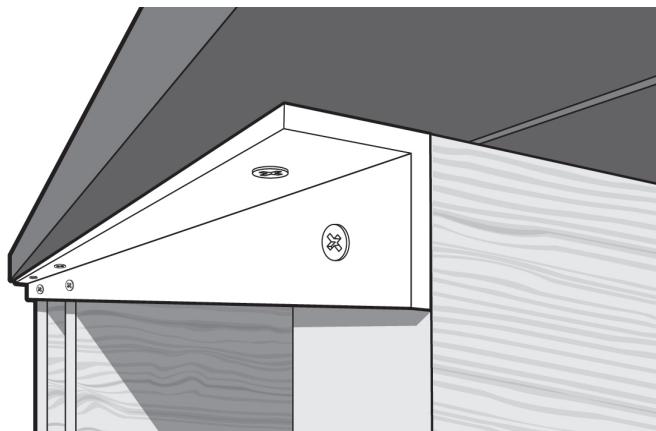
## Step 9 (a) – Finishing Front Edge Deck Board Overhang Method

**Step 1(a) detailed the first clip being installed to provide an "overhang" finish. Then:-**

Screw fix a 30mm x 30mm aluminium right-angle to the ends of your joists, ensuring the top of the angle is 4mm above the top of the joists – to keep it the same height as the clip ridges.

Drill holes in the aluminium angle between all the joists so as you can fix screws from underneath your deck board. Push the front edge of the deck board hard into each of the clips, then fix screws through the aluminium angle from underneath into your deck board.

Depending how your deck is constructed you can then screw fix a rebated ModWood decking board for the fascia to the front of the joist ends.



## Step 9 (b) – Finishing Front Edge Deck Board Flush Finish Method

**Step 1(b) detailed the first clip being installed to provide a "flush" finish. Then:-**

Screw fix a ModWood Decking Board for the fascia to the front of the joist ends, making sure the top of the ModWood decking board is flush with top of the front edge deck board.

