

## 6 INSTALLING THE FINAL BOARD

Once you have cut the last board to the required size, fit packers to the outside of each joist in the same manner as the first board that was installed.

Fit the last board and finish off with one countersunk stainless steel screw per joist. Plug, trim and sand down just as with the first board next to the house.

## 7 NOTES

- Using a tape measure and string line, check that the boards are kept straight and parallel.
- The first board is the most important - ensure that it is straight and securely fastened. Subsequent boards may bounce or spring if the first board is not held firm. Additional bracing or screws may be employed to ensure it provides a solid base to work from.
- Packers can be helpful in maintaining even spacing. Place these in position only after the board has been installed.
- For best results, keep your weight on the board as it is installed and when nailing it to the joist.
- Ensure the protruding spike of the installed **Sharkstooth** is level (parallel to the top of the joist) before installing the next board.
- When installing onto a steel joist or purlin, use a self drilling screw instead of the stainless steel nail.
- Do not fix **Sharkstooth** into knots in the timber.

## 8 INSTALLING HARD-WOODS

Some timbers - particularly dry hardwoods, can be prone to splitting. In such circumstances it may be necessary to cut a slot into the decking board. Using a router with a 1.5mm slot cutter, set the router height to the point where the **Sharkstooth** will penetrate the side of the decking board. The bottom of the proposed slot-cut should be 10mm up from the base of the decking board. At each point where the **Sharkstooth** will be installed, cut a slot to a depth of approximately 4mm with a length of approx. 30 - 50mm.



A router can be purchased from your local hardware store or are available for hire from most hire centres. The 1.5mm slot cutter tool bit can be purchased from a tool store or directly from MLC Group Ltd.

1.5mm Slot-Cutter

## HOW MANY WILL I NEED?

This table will help you to work out the minimum number of fasteners you will need. This table does not allow for any joins. For each join add another 2 fasteners to your total. Round up your total required to the nearest 250.

### BOARD WIDTH

JOIST CENTRES	90MM	140MM
400mm	31 units/m <sup>2</sup>	21 units/m <sup>2</sup>
450mm	28 units/m <sup>2</sup>	18 units/m <sup>2</sup>
500mm	25 units/m <sup>2</sup>	17 units/m <sup>2</sup>
550mm	23 units/m <sup>2</sup>	15 units/m <sup>2</sup>
600mm	21 units/m <sup>2</sup>	14 units/m <sup>2</sup>

SHARKSTOOTH IS AVAILABLE IN THREE PACK SIZES:

600

250

50

All packs contain fasteners and fixing nails. 250 and 600 pack contain installation tool

## WARRANTY STATEMENT

We warranty **Sharkstooth** to be free of any defects in the manufacturing process. Due to the variables involved with working in a building zone, the type of and quality of timber used, the warranty does not extend to the installation of **Sharkstooth**. The suitability of **Sharkstooth** and its intended use are the responsibility of the installer.

MLC Group Ltd. does not accept any responsibility or liability for personal injury or property damage that may arise from the use of Sharkstooth or any other of its products. These instructions are a guide for installing Sharkstooth fasteners. They are not instructions for how to build a deck. Always consult your local authority to verify the suitability of the building materials you intend to use

### A PRODUCT OF MLC GROUP LTD

493 High Street  
Motueka 7120  
New Zealand

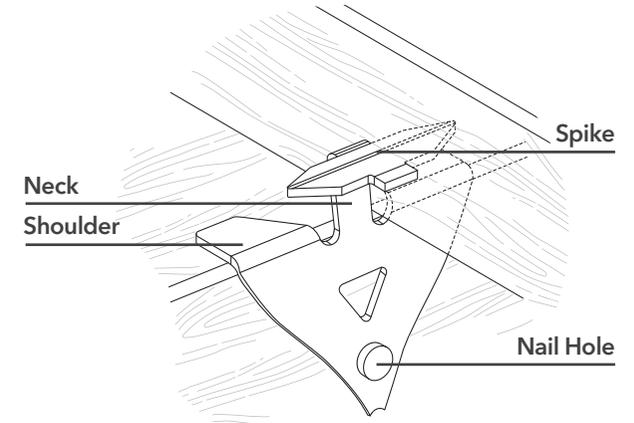
+64 35281026  
sales@mlcgroup.co.nz

FOR MORE INFORMATION PLEASE  
VISIT OUR WEBSITE

WWW.SHARKSTOOTH.CO.NZ



**SHARKSTOOTH**  
THE HIDDEN DECK FASTENER WITH BITE



Sharkstooth in place, ready for the next board

# INSTALLATION GUIDE INSTRUCTIONS

LOOKS BEAUTIFUL

NO VISIBLE NAILS

LONG LASTING

SUITABLE FOR SOFT AND HARD WOODS

REDUCES MAINTENANCE

MAKES CLEANING EASIER

QUITE SIMPLY, SHARKSTOOTH WORKS



## SAFETY FIRST

Ensure that appropriate safety eye, ear and foot protection is worn at all times.

### 1 BEFORE YOU START

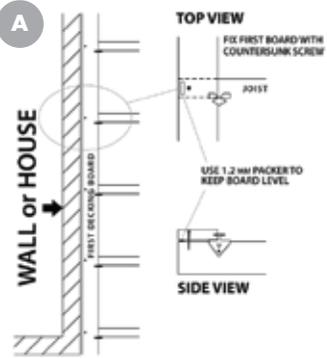
- Always consult your local authority to verify the suitability of the building materials you intend to use.
- Read these instructions through thoroughly before you start.
- These instructions are provided to help you get the best from **Sharkstooth** and are not instructions for building a deck.
- Ensure that your joists are secure and level.
- Check your Building Code for the required gap between the house and the first decking board.
- Make sure that the decking timber you are using has been properly treated and seasoned.
- For best results, use only A-Grade boards. Avoid any knotted or twisted boards.
- If you are using green, pressure-treated timber, we suggest installing **Sharkstooth** with little or no gap to allow for the shrinkage.
- Hardwoods may need to be slotted (see Installing Hardwoods).

### 2 LAYING THE FIRST BOARD

Start your deck by laying the first decking board next to the house onto packers, taking care to select a board that is straight and parallel. For a packer use a suitable building material of 1.0 - 1.5mm thick.

At each joist, secure the first board with one countersunk stainless steel screw. Ensure the deck board is sitting on the packer.

At the end of the job, glue wooden plugs into the countersunk screw holes, trim with a chisel and sand to finish. Tools for countersinking and making wooden plugs, can be purchased from either your local retailer or direct from: [www.sharkstooth.co.nz](http://www.sharkstooth.co.nz)



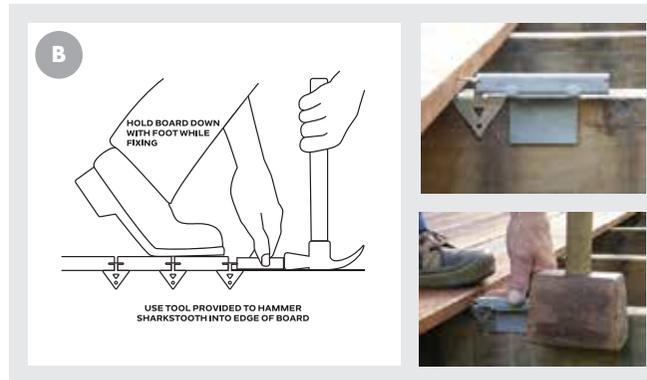
### 3 INSTALLING THE FIRST SHARKSTOOTH

Position the shoulder of the **Sharkstooth** on the top of the joist and under the edge of decking board. Ensure the **Sharkstooth** is square on the top and side of the joist and that the point of the spike is touching the side of the decking board.

Position the special driving tool (supplied) onto the **Sharkstooth** so that the outer spike is located in the slot of the driving tool, ensure the tool is seated squarely on the top and side of the joist.

Using a hammer, drive the **Sharkstooth** into the side of the decking board to the required depth. It is important to stand on the board to maintain downward pressure while the **Sharkstooth** is being driven in. Ensure the **Sharkstooth** penetrates the board in a straight and even manner and that the protruding spike is left parallel to the joist.

Fasten the **Sharkstooth** to the side of the joist using a supplied stainless steel nail through the round hole. Do not fit the nail through the triangular hole. After nailing the **Sharkstooth** to the joist, check that the protruding spike is parallel to the joist - adjust if required. Work your way along the decking board installing one **Sharkstooth** on each joist. The next row of fasteners should be installed on the opposite side of the joist so that they alternate as each subsequent board is installed (see Diagram D).



Position the next board on top of the joists, with the side of the board touching the row of spikes of the installed **Sharkstooth**. Stand on the next board to be installed and lay a length of timber eg. 4"x2" (100 x 50mm) against the outside of the board. Use a heavy hammer to strike the length of timber and drive the decking board onto the spikes of the **Sharkstooth**. It is important to keep your weight on the board being driven as you work your way along. (See Diagram C). Drive the board until it touches the neck of the **Sharkstooth**. This provides a 5mm drainage gap. If a smaller gap is required, or if the boards are expected to shrink, tap the board until the required gap is achieved.

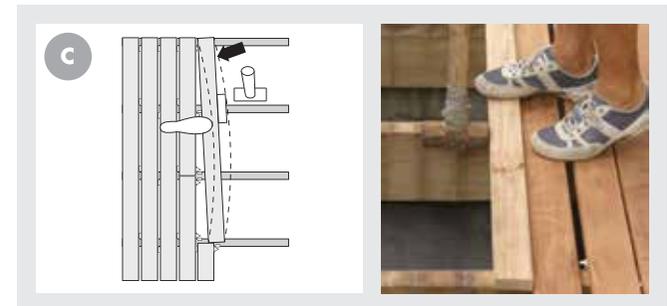
Repeat the above steps until you reach the last board.

### 4 INSTALLING A BOWED BOARD

Place the bowed board so that the bow is away from the previous board. (See Diagram C). For long boards with a large bow, it is advisable to get someone else to stand on the end of the board as you drive it onto the spikes.

As you drive the bowed board onto the spikes, fix your next **Sharkstooth** and nail off to the joist. This will help hold the board and prevent springing. This will allow you to straighten the bowed board. It is important to check that your installation is kept parallel by using a string line and tape measure every few boards.

Where possible, install **Sharkstooth** on alternate sides of the joist as the boards are installed. (See figure D).



### 5 BUTT-JOINING TWO BOARDS

Make sure the join is in the centre of the joist. At the end of each board to be joined, fit a **Sharkstooth** to both sides of the board (see Diagram E).

When fitting a board to a join start at the end away from the join and work your way along each joist to the join to ensure a tight fit (see Diagram C).

If required install a wooden packer to the sides of the joist to further move the **Sharkstooth** away from the ends of the boards to be joined.

