

WHY DECKS FAIL

Failure begins almost immediately after a deck is completed. Nails/screws used as fasteners cause a deck to fail in the following ways:

Moisture

Vertical holes created by the nails allow water to seep into the timber. This causes the timber to swell and promotes rot. The nail then begins to lose its grip on the joist.

Movement caused by swelling and shrinkage

Timber swells when wet and shrinks back when dry. This movement creates a lateral force to act upon the nail, working it loose and further reducing its ability to hold the boards securely.

Cupping and nail popping

Cupping is caused by the drying effects of the sun generating an extreme force, popping the nail up. The nail has now lost its grip on the joist, allowing further ingress of water.

Twisting and lifting

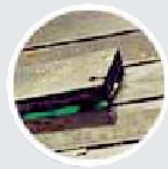
Once the grip of the nail is completely lost, the boards are free to twist and lift at will.



Trouble has started...



The rot has set in...



This deck is history!

This deck has failed!



HERE'S THE SOLUTION

Sharktooth Hidden Deck-Fasteners offer a unique approach to building a superior quality deck. Here's how....

Horizontal fixing of *Sharktooth* means no vertical holes for water to access.

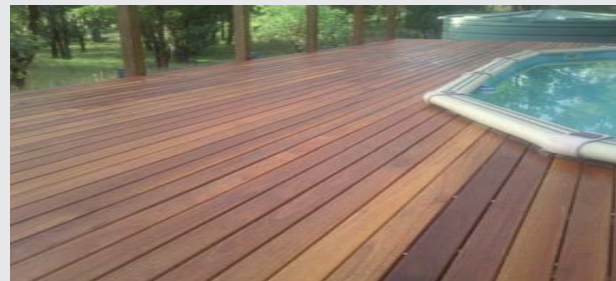
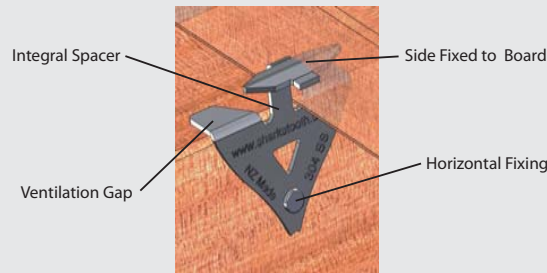
Decking boards sit on the shoulder of the *Sharktooth* creating a ventilation gap between the decking boards and joists. Air is free to circulate, preventing moisture build-up and the onset of rot.

The side fixing feature of *Sharktooth* is designed to cope with lateral movement caused by swelling and shrinkage; thus grip is retained.

As *Sharktooth* maintains a firm grip, cupping is dramatically reduced; and twisting and lifting of the decking boards is eliminated.

Sharktooth is made from 304 SS, ensuring longevity of life with no corrosion.

Sharktooth is the best solution for an attractive, durable and safe deck. It quite simply, blows the competition out of the water.



INSTALLATION

No pre-drilling is required - at each joist simply drive a *Sharktooth* into the side of the decking board using the tool provided.

Secure the *Sharktooth* to the joist with the supplied SS nail. Drive the next board onto the row of installed fasteners using a heavy hammer.

The 5mm spacer ensures that the boards are kept straight and the gaps even.

Warped boards are straightened as they are installed.

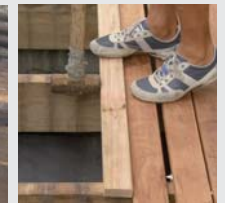
Full instructions are provided in each pack.



Use the provided tool to drive *Sharktooth* into the board.



Nail the *Sharktooth* to the joist.

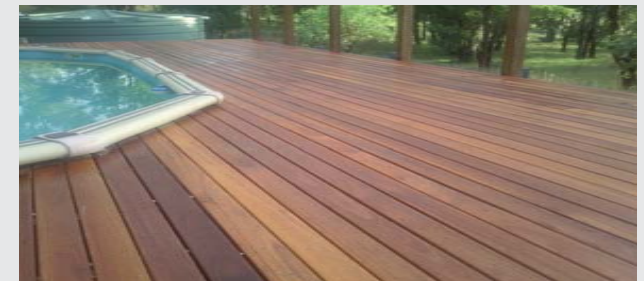


Drive the next board onto the row of installed *Sharktooth*.

Sharktooth performs equally well with hardwood and softwood decking and is suitable for use on both timber and steel joists.

Sharktooth gives your deck a nail-free smooth finish. Maintenance is reduced and cleaning is easy.

Your deck will be safer to walk on and for your child to play on.



THE FUTURE OF DECKS

Sharkstooth is a simple, effective and long-lasting method of securing decking boards.

Flawless, Smooth Finish

No unsightly nails or screws, or their associated problems.

Reduces the risk of rot

Sharkstooth is fixed horizontally. There are no vertical holes for water to access, which can lead to premature failure of the deck.

Ventilation Gap

Sharkstooth creates a cavity between the decking boards and joists. This allows air to circulate, preventing moisture build up.

Even Spacing of Decking Boards

Sharkstooth's has a 5mm spacer as part of its design. This acts as a guide to ensure even spacing of the boards.

Holds Fast

The unique design of *Sharkstooth* means its grip is not loosened over time through natural movement. Nails can work loose and pop up, creating a safety hazard.

Strength and Durability

Manufactured from 304 Stainless Steel, *Sharkstooth* is designed to last.

No pre-drilling required

Sharkstooth does not require the decking boards to be pre-drilled.

Versatile

Sharkstooth is suitable for use on both timber and steel joists.

New Zealand Made

Designed and manufactured in New Zealand. International patents pending.



HOW MANY WILL I NEED?

Sharkstooth is available in two pack sizes:

SKT250 (pack of 250)

SKT1000 (pack of 1000)

Each pack contains *Sharkstooth* fasteners, fixing nails (both 304 SS), driving tool and instructions.

Calculate the minimum number of fasteners you will need from this chart. Please note that it does not allow for any joins. Add two fasteners for each join then round up the total to the nearest 250.

USAGE CHART

	Board Width	90mm	140mm
Joist Centres	400mm	31 units/m2	21 units/m2
	450mm	28 units/m2	18 units/m2
	500mm	25 units/m2	17 units/m2
	550mm	23 units/m2	15 units/m2
	600mm	21 units/m2	14 units/m2

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- Prolong the Life of your Deck
- Smooth Nail-Free Finish
- Simple to Use
- Safe and Strong
- 304 Stainless Steel
- New Zealand Made