

How to Install Jakoustic® Highway Fencing

Thank you for choosing Jacksons Fencing. Our high quality fencing products will last for years and give you trouble-free service if you follow the installation instructions below, which are offered as a general guide.

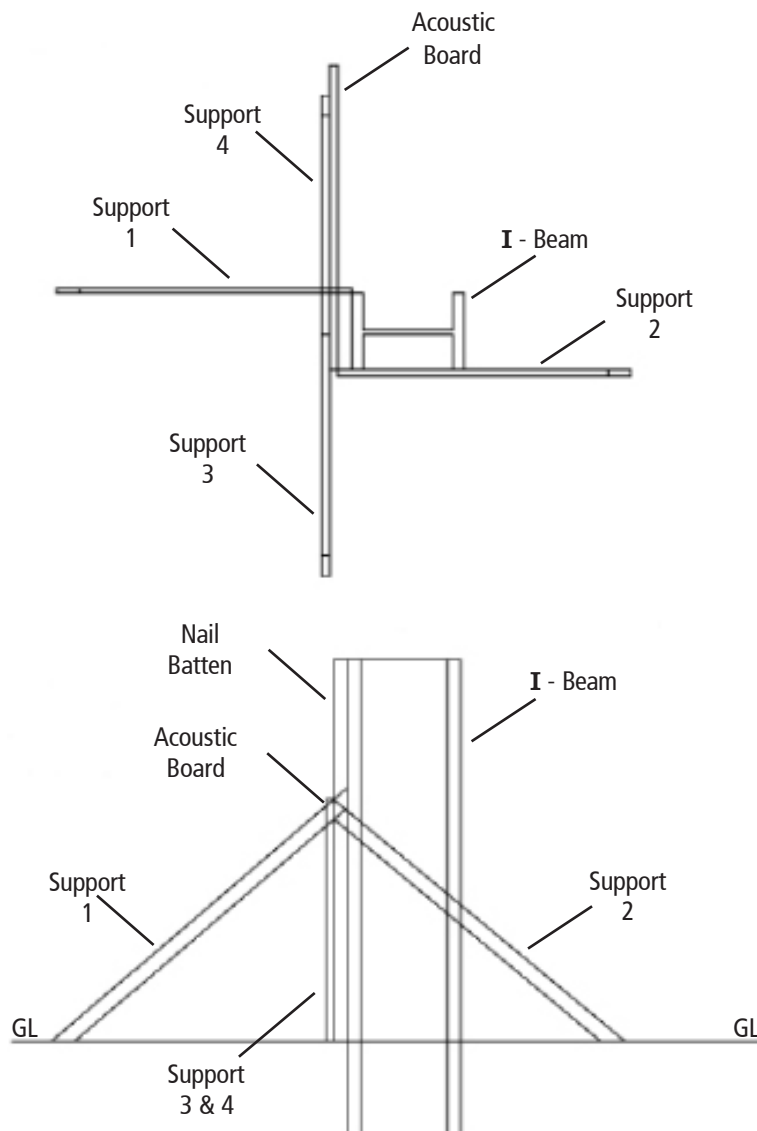
Please read this in conjunction with the drawings.

'I-beam' Posts

- 1) Fit nail batten (100x50 sawn timber) to I-beam post (if required). Use M8 x 65 stainless steel coach bolt, washer & Nyloc nut through the pre-drilled holes in the flange of the beam at 500mm centres. The top of the nail batten should protrude by 100mm above the top of the steel post. The nail batten may be supplied in 2 sections depending on fence height (e.g. nail batten for a 4m fence height could be a 3.6m length plus a 0.5m length above).
- 2) Set posts in concrete
Tops of steel posts to be in smooth lines, and at nominal fence height above ground level (bottom of nail batten may be partially buried).
For fencing 4m and above, base plated posts will usually be supplied to be fixed to pre-cast concrete bases using studding and resin. On some occasions overlength posts are supplied to be dug-in:
Set posts into post holes. Use a digger and strop if necessary to lift each post.
Use acoustic boards as prop/brace supports to hold the post. Refer to the diagram below. Fix as high as possible up the post, ideally 2.5 – 3m above the ground, using 100mm timber screws into the nail batten, and add weight to the bottom end of each support with a bag of ballast or similar.
Space the posts at 2.41m centres. Prop the intermediate posts with at least 2 more boards as above plus a horizontal board along the fence line.
If using an acoustic board to determine post spacing check the length of the board and ensure the centres are spaced at 2.41 / 4.82m leaving a gap at the end of each board if necessary. Board lengths do vary. If this is not checked, board joins may not be covered in the posts
Steps in fence height (if required) should be made in multiples of 125mm board height.
- 3) Install boards
Note - Base board/gravel board has no groove.
Because of the strength in the steel posts, the acoustic T&G boards can be either half-staggered (like brickwork) as applies to timber post installation method, or vertically stacked for each double bay. If it is chosen to vertically stack the boards, there must be a minimum engagement between every board and the post timber nail batten of at least 30mm. Boards are built up the front of the nail battens, each 4.8m long board should be nailed to 3No posts, with 2No 75mm galvanised nails per post, each driven in at an angle. As an alternative it is also possible to use Paslode gas-fired gun nails but these must be 'hot dip galvanised 3.1 x 75 Ring' type and 3 nails must be used per board per post instead of 2. Boards should be installed firmly together to avoid any gaps in the future and if necessary, a lorry strap can be used to pull any bowed boards together. In high winds, cover boards should also be fixed as the installation progresses upwards to prevent collapse (see below).
- 4) To finish fencing
Trim the nail batten level with the top board. Fit the capping rail (145 x 35mm) along the length of the fence, use deck screws down into the top of the nail batten. At each post position screw a 120 x 35mm cover board up the full height of the fence, to disguise any bruising caused by nailing. Use 100mm long Timber screws at 500mm centres up the full height of the fence (for a fence in excess of 3m high this cover strip may be supplied in more than one section). Always use the longer section at the base of the fence.
At the top of the fence, between cover boards, push 70 x 35mm counter rails tight to capping rail (to either side of top board) and fix in position using deck screws (@600mm centres), then screw capping down to counter rail. Back fill ground level (but not above gravel board) so that no gaps that could allow noise through exist at the bottom of the fence.

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**Jacksons
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Safety Notes:

Biocidal Products Regulation (EU528/2012):

Jakcured articles incorporate biocidal products to protect against wood destroying organisms.

Active ingredients include: Copper(II)Carbonate / Copper(II)Hydroxide / Propiconazole / Tebuconazole

Wear gloves when handling freshly treated wood. Avoid breathing dust when cutting. Dispose of off-cuts responsibly – do not burn.

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