

Correctly Installing dBFence

To ensure your dBFence Acoustic Fencing System is fitted correctly please follow our step by step installation instructions as outlined in this document.

STEP 1 - FIT SPUR POST TO SLOTTED-POST

Where required, attach the steel spur post to the slotted-post using 5 x M8 x 65 galvanized coach screws (evenly spaced as shown in Diagram A) for extra support.

Note: We do not recommend that a spur post is used when installing a dBFence Acoustic Fencing System at a height of 2m or below.

STEP 2 - SET SLOTTED-POST INTO CONCRETE

Set the slotted-post in to the ground at a depth of 800mm. The centre section of the post is 750mm long (as shown in Diagram B).

When using an acoustic board to determine post spacing, check the length of the board and ensure the centres are spaced at 2.4m and 4.8m. Leaving a gap at the end of each board if necessary (small expansion gap). Board lengths do vary, therefore if this is not checked, board joins may not be covered by the posts. Ensure each board length is 2.4m.

When altering the height of the barrier - do so in 125mm increments, that is, the height of a board.

STEP 3 - BOARD INSTALLATION

Every post should have galvanized coach screws at 125mm centres. Be careful not to over tighten screws (washer section should sit flush on surface) as they may go right through the post or strip the screw thread.

Fit a M10 x 130 stainless steel bolt, nut, washer and 50mm square washer in to each hole in the metal spur post above ground level. Plug the large hole with a 38mm black plastic strip. Only use the top galvanized coach screw to hold the timber and steel together whilst setting the post into concrete.

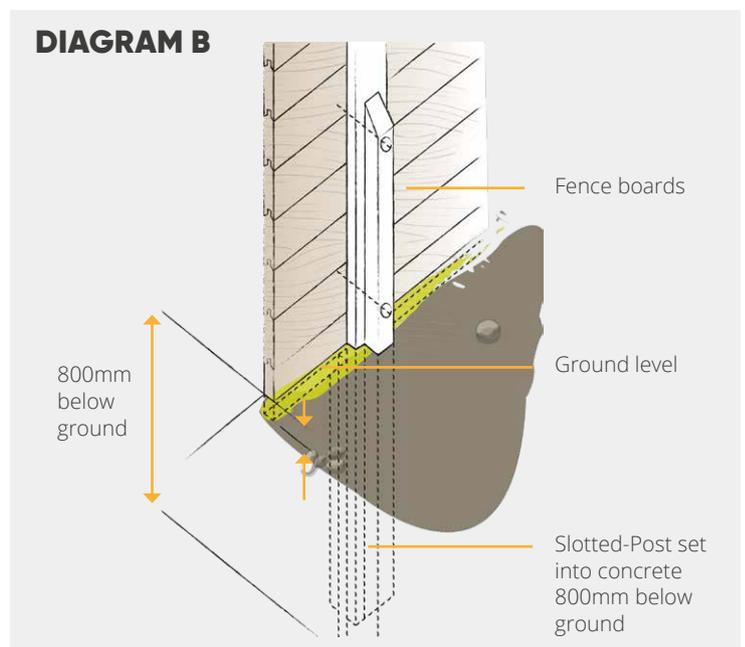
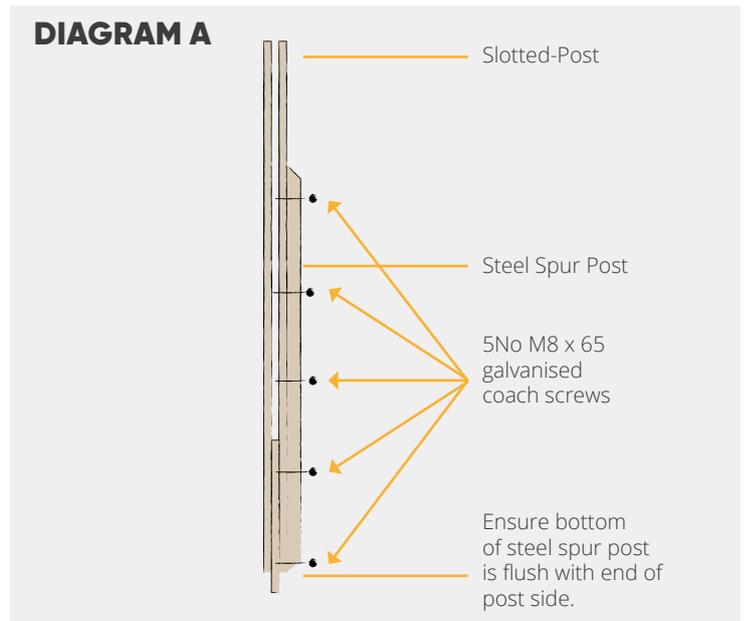
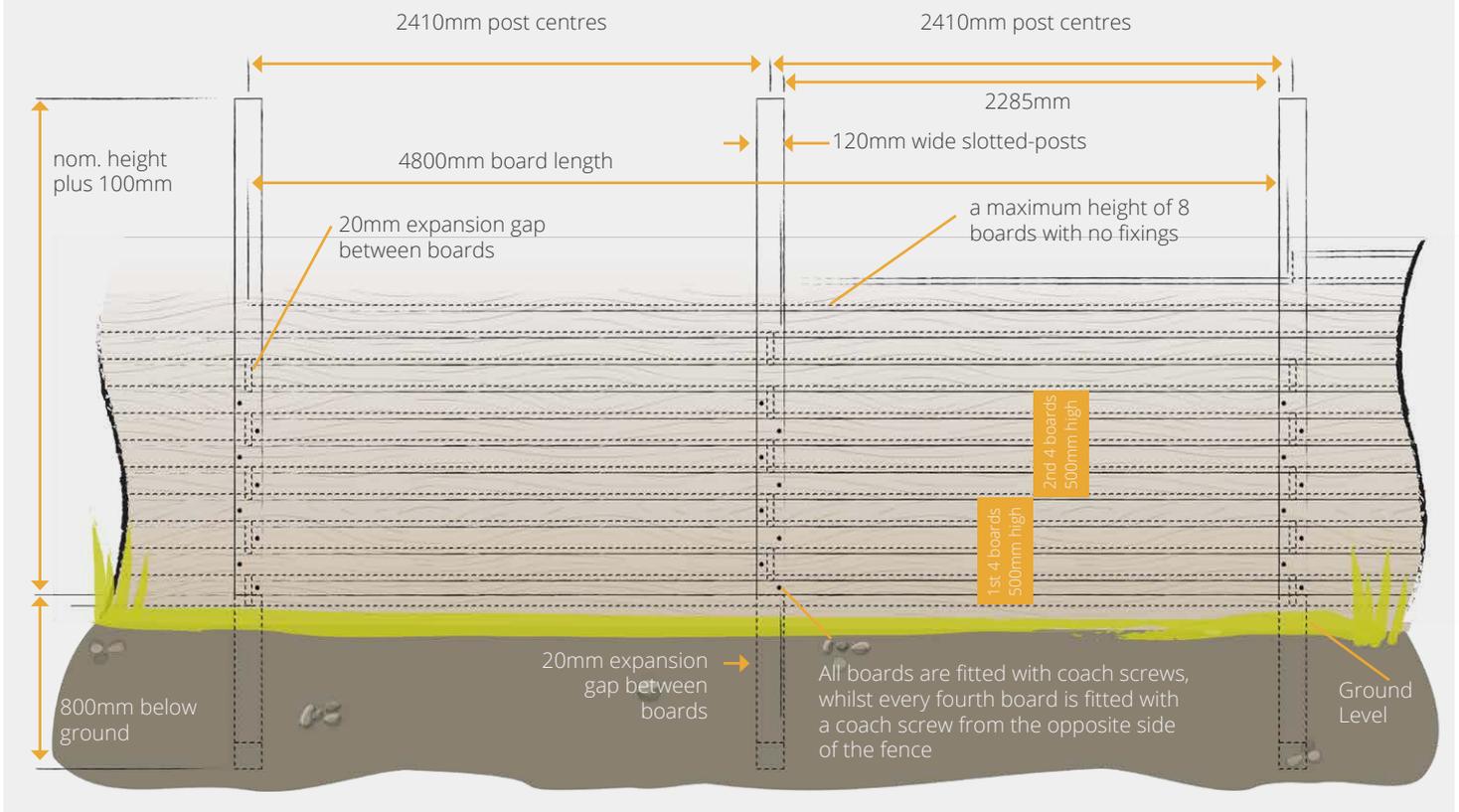


DIAGRAM C



STEP 4 - BOARD INSTALLATION

Each 4.8m length board should be staggered with the boards above and below. Much like brickwork, the structural strength of the fence comes from the way the boards are installed. To prevent damage to the tongue, when installing tap the boards down using an off-cut section of the board.

Each 1m height section of the fence is made-up of eight boards. The bottom four boards (500mm in height) should be fixed with galvanised coach screws and then a spur post bolt.

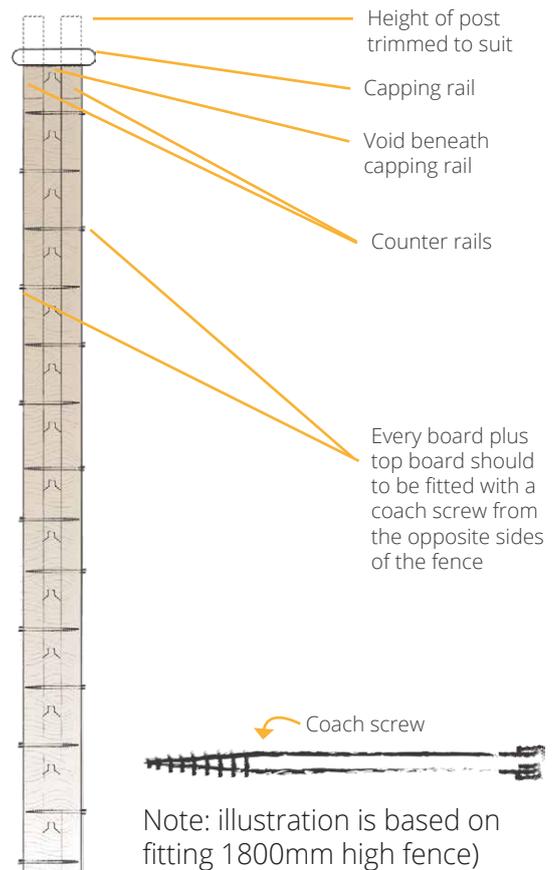
Install a further 4 boards and fix these with galvanised coach screws. Repeat in 500mm (high) sections until the required barrier height is achieved. Every board should be fitted with a galvanised coach screw from the opposite side of the fence (as shown in Diagram D). This also applies to the top board.

If necessary, a lorry-strap can be used to pull any bowed boards together.

STEP 5 - FINAL FINISHING

1. Slotted posts are supplied at 2.525m long to include an additional 125mm, based on a barrier height of 2.4m. Simply trim the top of the post to achieve the correct height.
2. A capping rail (144 x 32mm) should then be screwed to the top of the posts.
3. Sit a counter rail (70 x 34mm) tight below the capping rail (to either side of the board) and screw in position.
4. Once the counter rail is positioned, screw the capping rail down to the counter rail, at 600mm centres.

DIAGRAM D



SITE SAFETY ADVICE



A protective mask should be worn to avoid breathing in dust when cutting.



Wear gloves when handling freshly treated timber.



Dispose of timber off-cuts responsibly and do not burn.



Always wear appropriate PPE.