

# COMPOSITE FENCING INSTALLATION GUIDE

Issue 2



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If in doubt at any stage

Please contact our Technical Support  
for additional support or advice.



**0800 988 3047**



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# STORAGE AND HANDLING

Whilst our composite materials are highly durable we do recommend you follow the below guidelines for storage, handling and installation, to ensure products are kept in the best possible condition.

## STORAGE

- ▶ Materials should be covered and kept dry until ready to install to ensure a clean surface. Products should not be stored outside and or covered with plastic sheeting.
- ▶ All composite products should be stored supported above the ground at 500mm intervals on a flat clean surface. Supporting battens used in storage should align through the stack to equally transfer the load.
- ▶ Fencing panels must be stacked on top of each other.
- ▶ Where multiple pallets are delivered these should not be stacked higher than 3m per stack.
- ▶ Eurocell will not be held responsible for issues that arise from poor storage.

## HANDLING

- ▶ Fencing boards should be lifted and set down with care to avoid damage. Do not slide boards over one another.
- ▶ Fencing boards should be carried in the middle and on their edge for best support when moving.
- ▶ Avoid sliding or dragging any equipment across the board surface to avoid tarnishing the surface.
- ▶ The surface of the fencing boards should be kept free of construction debris and material to prevent damage to the boards.

As with all sites, surfaces should be kept clean and tidy for the best installation outcome.

# SAFETY AND USE

Prior to installing any composite system we recommended that you consult local building regulations for any special requirements or restrictions that may apply. The illustrations and accompanying instructions in this guide are for illustrative purposes to provide a typical installation scenario, and do not replace the advice of a licensed professional in the field.

## SAFETY

- ▶ Personal Protection Equipment (PPE) should be worn at all times (COSHH Assessment summary available). When cutting and installing boards it is advised to wear gloves, protective eye wear, a dust mask, long sleeves and trousers.
- ▶ Dry and windy environments may result in a naturally occurring static build-up in composite products. The level of static build up will not cause personal injury.

## USE

- ▶ Standard tools can be used to install our composite fencing. When using a chop saw we would recommend a 60T+ Multipurpose Aluminium blade for maximum efficiency and neatness on cuts.
- ▶ Plan a layout for your fencing before starting to ensure the best looking layout is achieved.

# TOOLS

## Recommended tools to install Eurocell composite fencing system

Standard woodworking/fencing tools can be used when working with Eurocell Composite Fencing. If you are unsure on how to use any tool, please consult the tool's manufacturer's user manual:

- ▶ Stringline
- ▶ Tape measure
- ▶ Spirit Level
- ▶ Hole digging equipment
- ▶ Hand saw / Mitre Saw.
- ▶ Protective eye wear and relevant Personal Protection Equipment (PPE)
- ▶ Pencil
- ▶ Not essential but useful - Laser level and Post hole digger
- ▶ Electric drill and cordless screwdriver when installing the fence base plates

# PRE INSTALLATION INFORMATION

Installation of a composite fencing product is easy and straightforward. All of our products are compatible with recognised building and fencing materials. Composite fencing can be sawn and fixed using traditional cutting tools. This easy to understand guide provides a detailed summary of installation.

- ▶ **Installation must be carried out to the instructions provided. Eurocell hold no responsibility for incorrect or inferior installation.**
- ▶ **Failure to install in accordance to these instruction to these instructions will invalidate the product guarantee.**
- ▶ **Where possible the ground should be solid, stable, smooth. Do not install composite fencing on hollow or uneven areas.**
- ▶ **All composite fencing panels are not advised to exceed 6ft in height.**

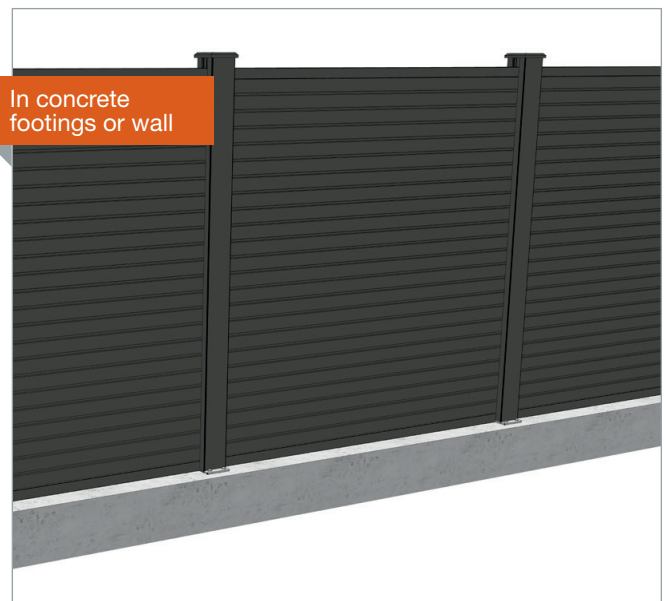
# CLEANING AND CARE

Eurocell fencing boards will require periodic maintenance to remove the build up of dirt and debris. We recommend the fencing is cleaned once or twice a year using either:

- ▶ A high pressure cleaner (Jet wash) with a fan shaped beam at a distance of at least 20cm in a lengthwise direction, or;
- ▶ Scrubbing brush with a all-purpose cleaner and water

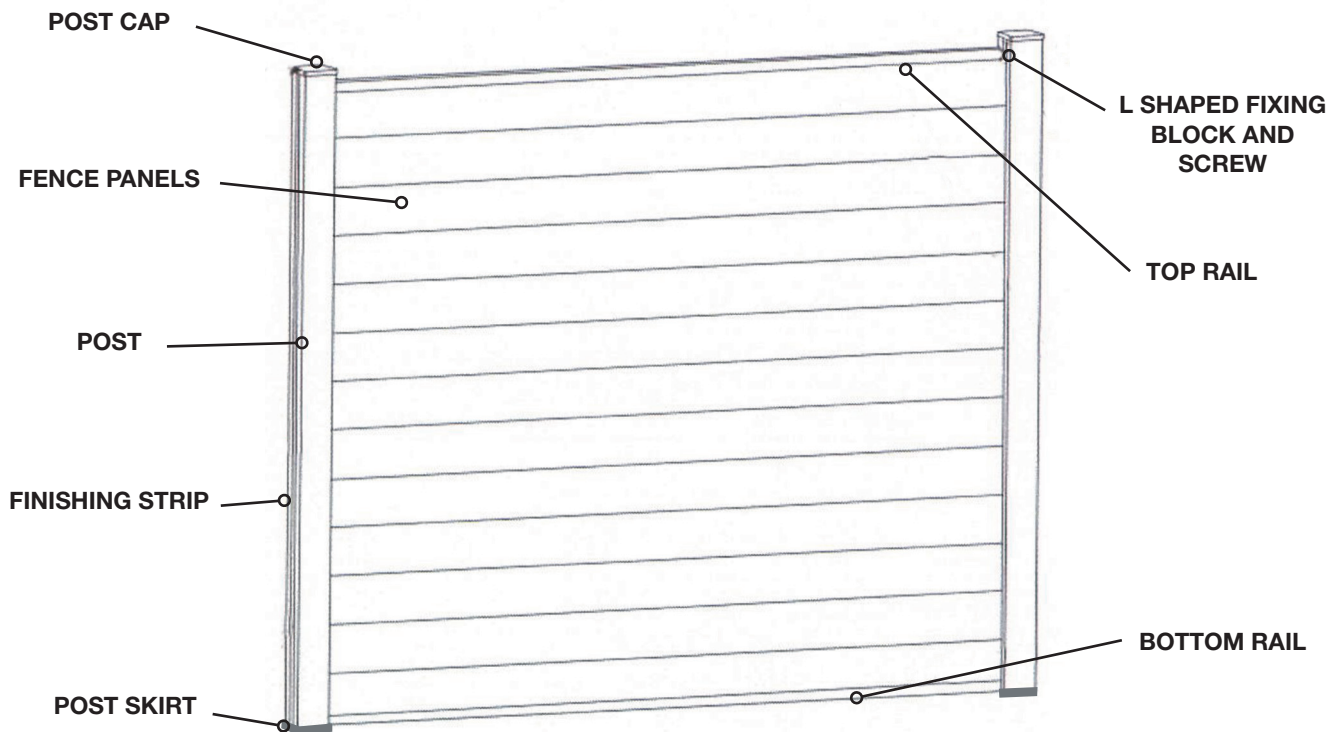
# INSTALLATION METHODS

The fencing is 21mm wide. When replacing the existing panels, the NEW insert will ensure a perfect fit



# ASSEMBLED FENCE

In order to create fencing unit, 12 panels are required to be stacked one on top of the next. This creates a height of 6ft. Composite fencing must not exceed 6ft when in use for both preexisting posts and the complementary posts.







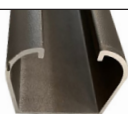


# FENCING COMPONENTS



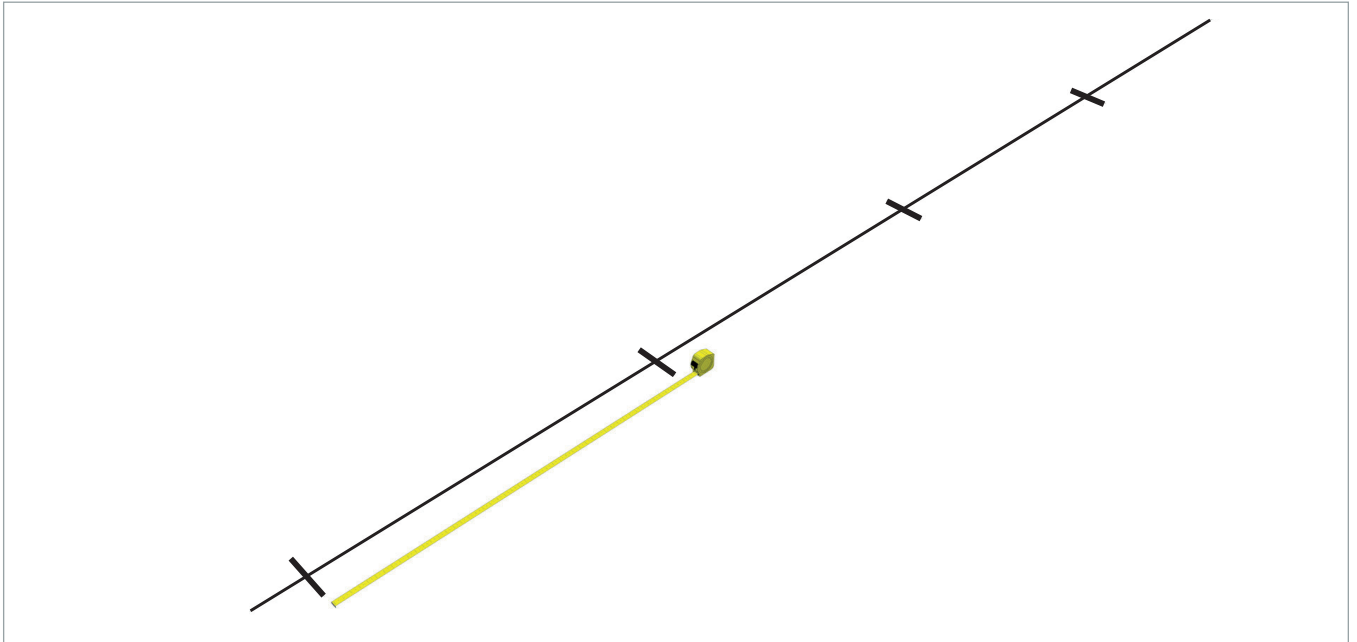
## COMPOSITE FENCING COMPONENTS

PRODUCT	MATERIAL	PROFILE
FENCE PANELS	WPC	
TOP RAIL	ALUMINIUM	
BOTTOM RAIL	ALUMINIUM	
POST	ALUMINIUM	
FINISHING STRIP	ALUMINIUM	
POST CAP	PLASTIC	

PRODUCT	MATERIAL	PROFILE
POST SKIRT	PLASTIC	
POST MOUNT	GALVANISED IRON	
L SHAPED FIXING BLOCK AND SCREW	ALUMINIUM	
BOLTS	STEEL	
FILLER FOR CONCRETE POST	ALUMINIUM	

# PLANNING YOUR PROJECT

## MARK OUT THE FENCE LINE



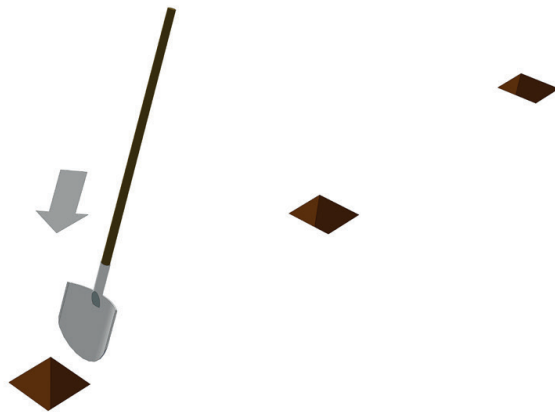
Use a stringline to mark out the line of the fence. Make sure the area is clear of any obstacles/vegetation.

Please note that your posts should always be on your side of the boundary.

## OPTION 1

### INSTALLATION - IN SOFT GROUND

fig. 1



Dig a hole using a narrow shovel or Fencers graft to a depth of 600-850mm depending on the softness of the ground.

Ensure the base of the pit is level.

### FIXING YOUR POSTS IN SOFT GROUND

Following the line you have marked, using either a post borer or spade, dig holes to accommodate the posts at a minimum depth of 26" (650mm).

Pack the base of the hole with approximately 50mm of broken brick or stone hardcore to provide initial support for your post.

fig. 2

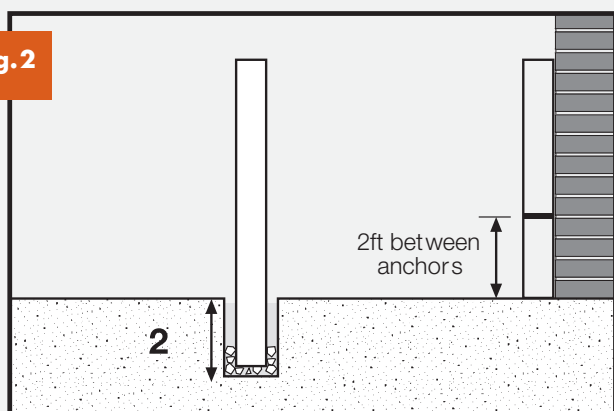
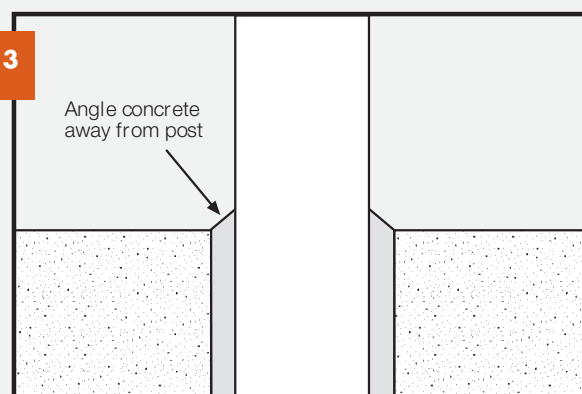


fig. 3

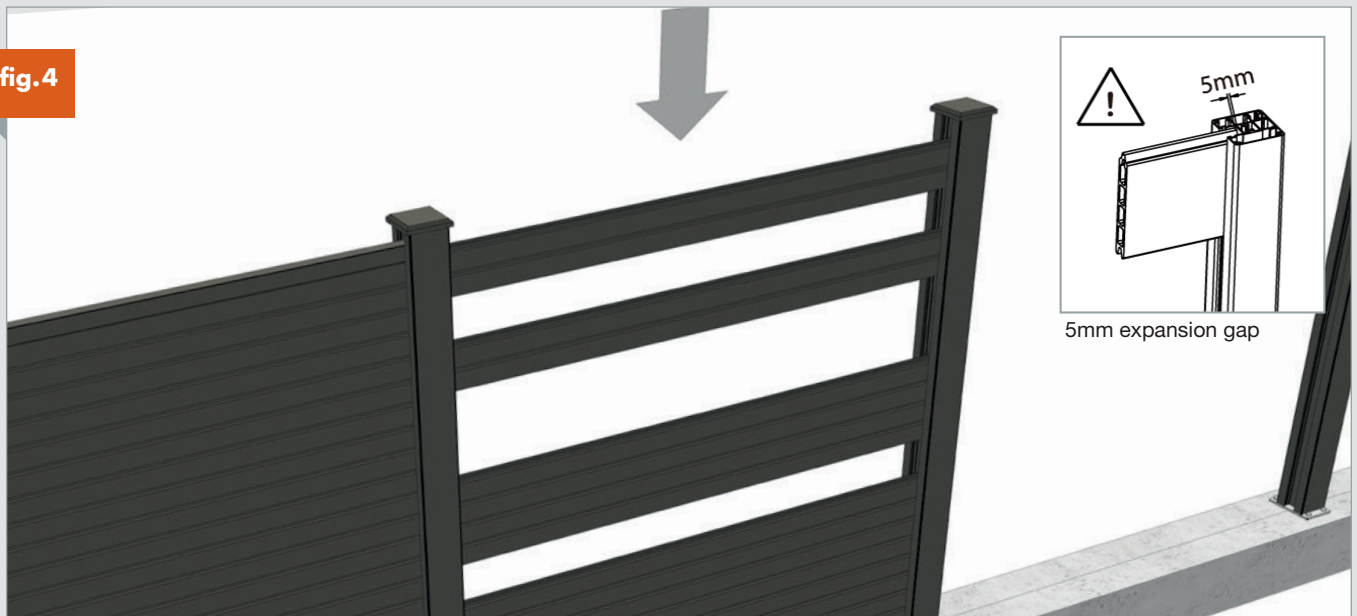


When finishing the concrete around the base of the post, angle the concrete away from the post to allow rainwater to drain away easily.



## SECURE THE POSTS

fig.4



Insert the bottom rail, fence panels and finish with the top rail.  
NOTE: A 5mm expansion gap is important between the board and the post.

fig.5

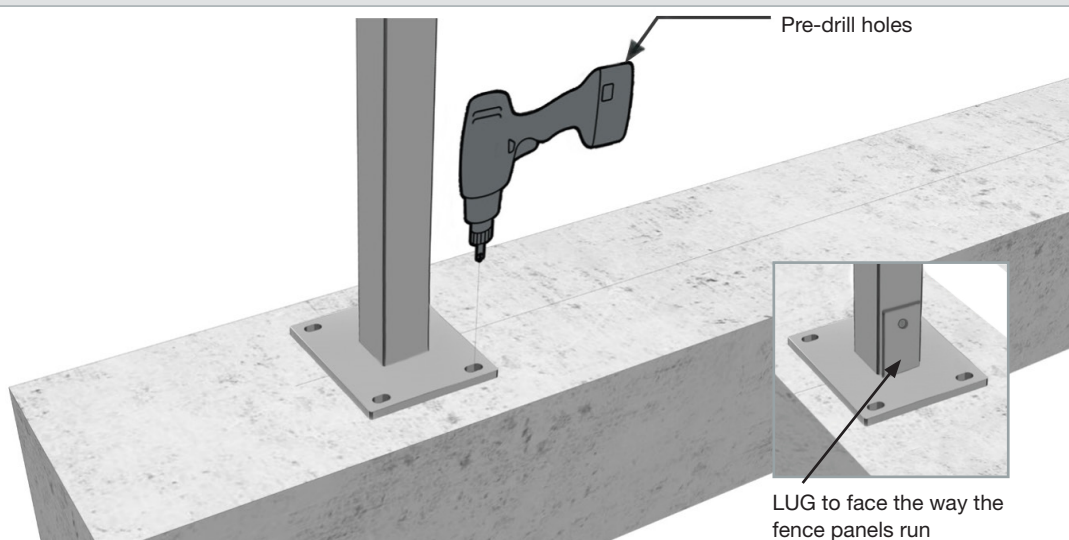


Job Done!

## OPTION 2

### INSTALLATION - TO CONCRETE FOOTING OR BLOCK WALL

fig. 1



Before starting - ensure the wall or footing is in adequate condition. Pay particular attention to where you place the LUG this is where you will need to secure the post to the post mount.

Minimum depth of masonry/concrete to be 150mm thick. Eurocell cannot take responsibility for inadequate structural foundations.

Place metal post supports in position, ensuring they are plumb/level and square to the run of the fencing. Pre drill with a masonry drill bit and fix the Post Mount to the structure using the recommended bolts.

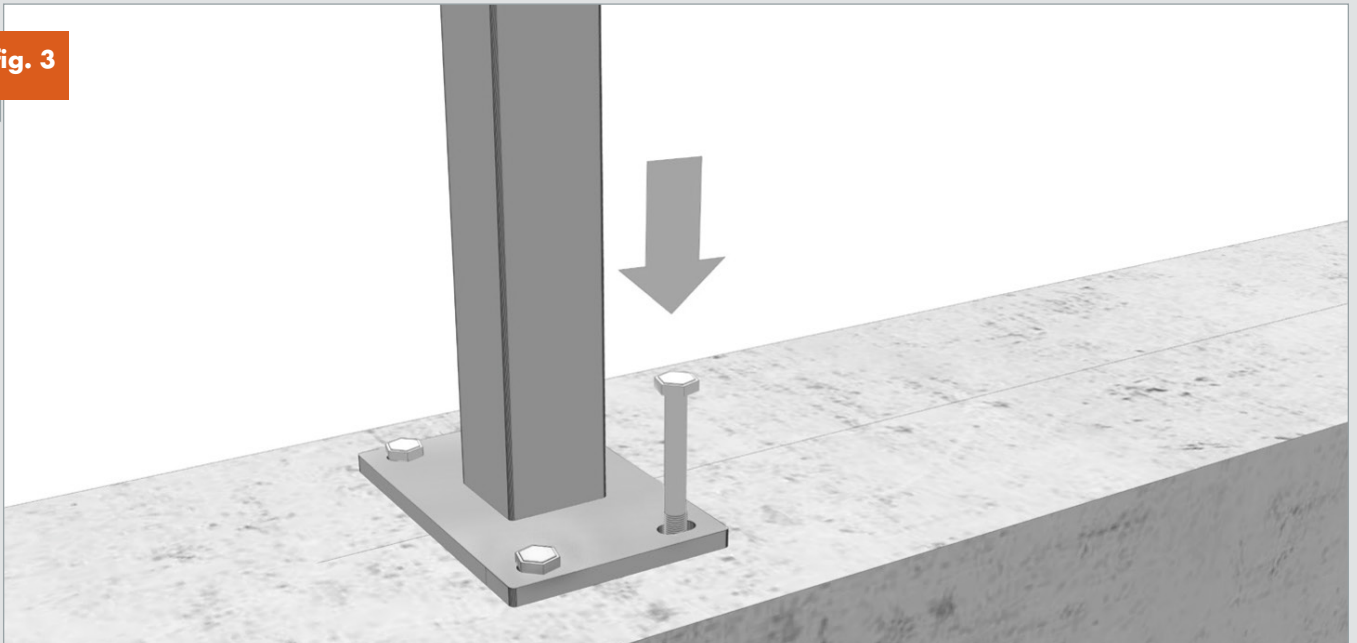
fig. 2



Ensure the insert is plumb and secure. Use steel shims / packers if required.

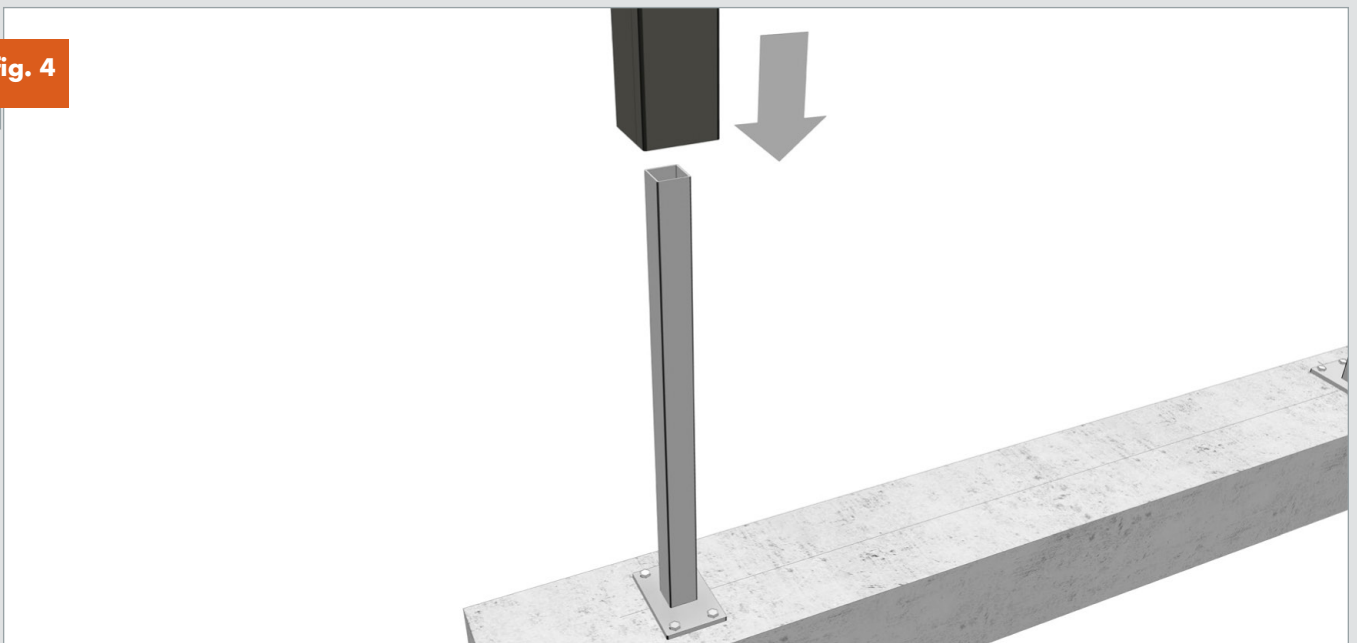
## ADD THE FENCE POSTS

fig. 3



Ensure the bolts are sufficiently tight.

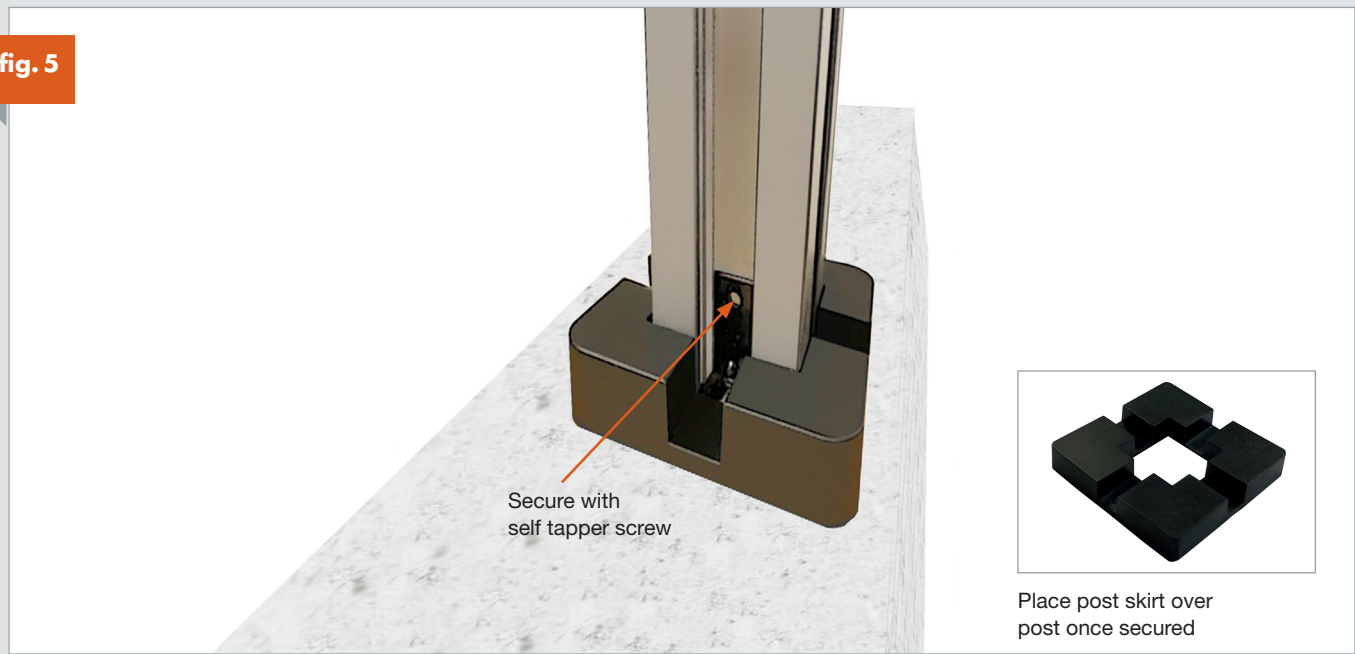
fig. 4



Slide the fence post over the steel insert.

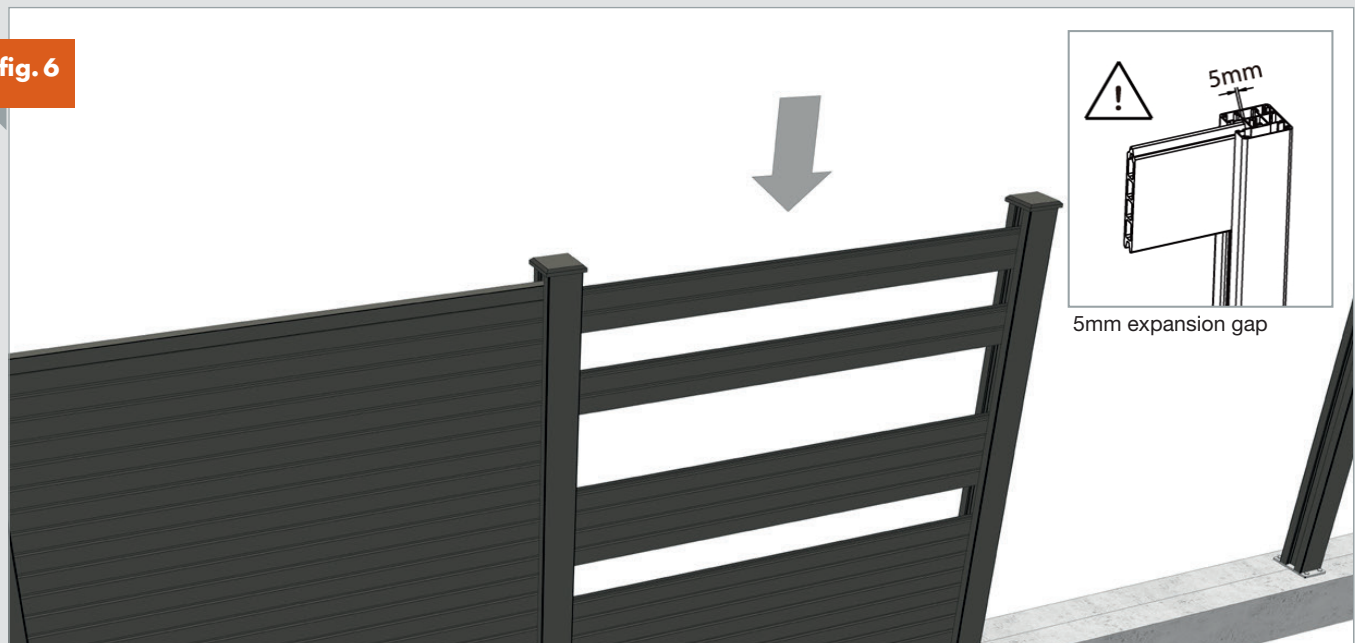
## OPTION 2

fig. 5



To secure the fence post to the fence base plate, drill through the inside of the post and insert a self tapper. Make sure the LUG is facing the correct way when placing the post - this will face the way the fence panel runs.

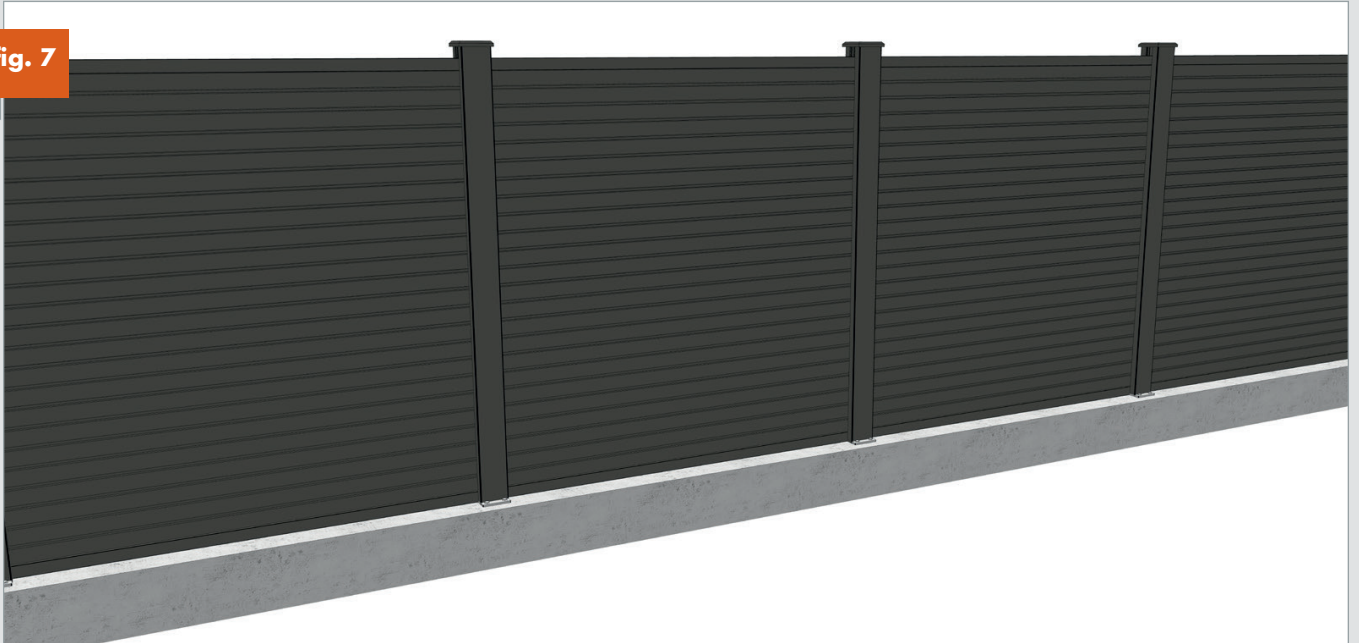
fig. 6



Fence sections are assembled, post skirt (if required) bottom rail, required number of panels, then insert top rail. Secure with L shaped block, if required. Add infills to unused post slots and then apply caps to posts. Caps can be secured by screws in the side if needed. NOTE: A 5mm expansion gap is important between the board and the post.

## FINISH THE REMAINING PANELS

fig. 7

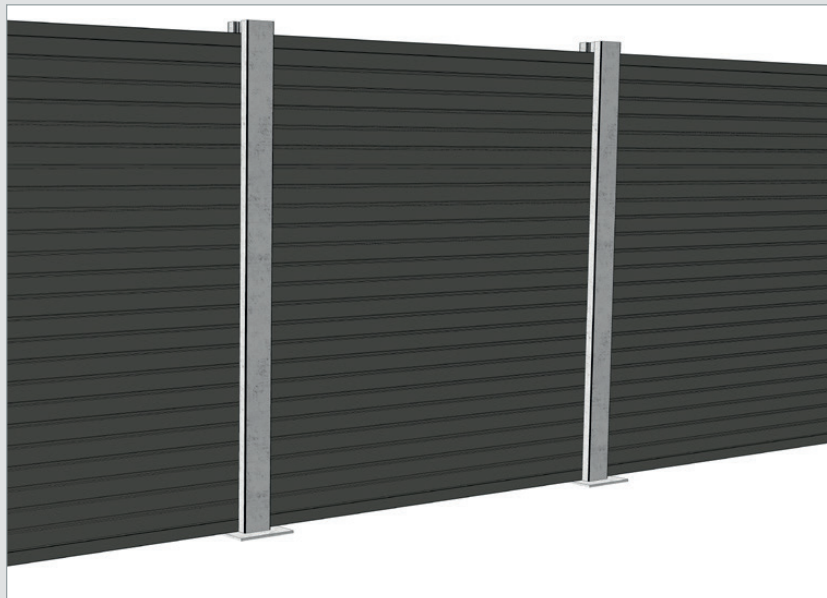


Job Done!



## OPTION 3

### INSTALLATION – RETRO FIT



The Composite fencing panels now fit into existing concrete posts.

The 1823mm board is the UK standard width of a fence post, with the NEW filler trim this allows for the 21mm fence panel to fit into the existing concrete post.

When installing the filler trim, run a thin line of no nails down the back of the trim to ensure its stable when stacking the panels.

Quick and easy to install giving you a modern looking garden with minimal disruption to your lawn.

## CONTACT

For further information, contact the Eurocell Technical Team on **0333 777 3047**. Visit **eurocell.co.uk** to find installation guides and videos for Eurocell products.

