TALASEY
GROUP

PIRANHA®
DECKING & FENCING SOLUTIONS

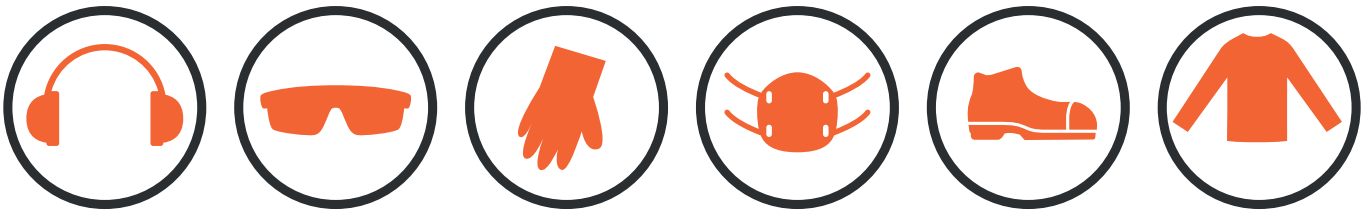
Guide to Planning & Installing
Composite Fencing

Piranha Fencing

Piranha's fully capped composite fencing is available in three modern colours, each displaying an enhanced woodgrain finish on both sides.

Required Equipment

Safety Equipment

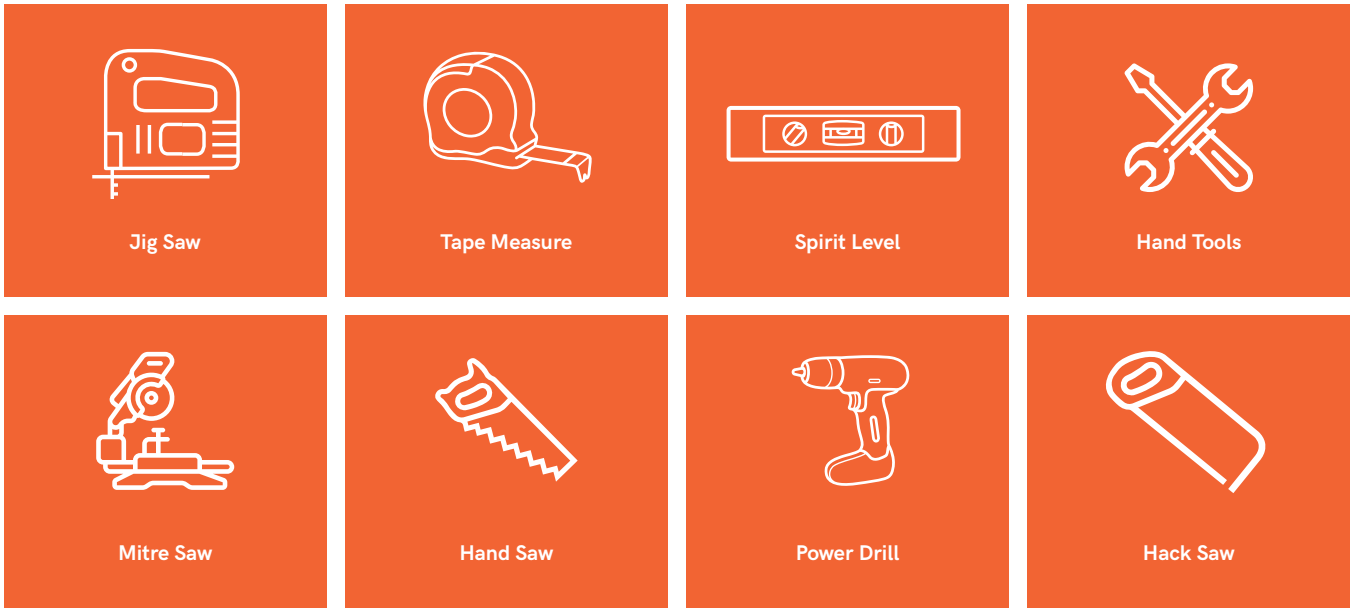


Ear Protection | Safety Glasses | Gloves | Dust Mask | Safety Footwear | Long Sleeves

It is your responsibility to ensure that you comply with all applicable health and safety legislation and guidelines.

Tools Required for Installation

General wood working tools can be used when installing Piranha Fencing Systems. When using any electrical tools always observe the manufacturer's recommendations and safety information.



Considerations

Pre-Installation

- Fully read our Understanding Piranha Guide for more tips and advice, particularly, if you are inexperienced in installing our Piranha ranges.
- Always purchase all the Fence Boards for the project together, as colour may vary from batch to batch. Batches brought at different times will vary due to natural and process variables, from material batching to temperature and humidity.
- Always inspect the boards for any damage upon delivery.
- Always allow for wastage (10% is recommended subject to design).
- Consider how you're going to store the product once it arrives on site or at your store.

Installation

- Variation is designed into the shade spectrum using colour mixing. However, some packs may have a more predominant shade to the next. Bear this in mind and inspect each pack to see if you need to consider mixing to create a natural blend.
- If you are not satisfied or concerned about any aspect of your delivery, please report it to your supplier before you start work, so we can support all parties to resolve the situation, as appropriate and as urgently as possible. Talasey Ltd will not accept liability or costs when product was deemed to be unsatisfactory but then installation continued.
- All composite products will naturally contract and expand. Therefore, the fencing boards require an expansion gap. Consideration to the ambient temperature and the required gap needs to be taken during installation.
- The expansion gap value between the Fence Boards and post should be as per the enclosed table.

Ambient Temperature (During Installation)	Expansion Gap
0°C	4mm
10°C	3mm
20°C	2mm
30°C	1.5mm

Storage

- Piranha Fencing products should always be stored under cover, in the shade, in order to protect and maintain a clean surface until you are ready to install. We recommend that it is kept dry and protected from the weather.
- Store all components on a clean, flat & level surface, supported above the ground at 500mm intervals. Battens used to separate and support the stored material should be spaced no more than 500mm apart, to ensure the boards do not bow.
- If stored outside, ensure that any covering is adequately secured.
- Fencing panels must be stacked on top of each other. Pallets of Fencing Boards should be stacked no more than 3m high.

Handling

- Fencing boards should be handled with care to avoid damage. Do not slide or drag the boards over one another.
- When carrying the boards, do this from the middle of the boards and on their edge side, for better support.
- Do not slide or drag any equipment across the face of the boards as this could damage the surface of the boards. Always keep the boards free of any debris.

Recommendations

- Prior to installation, we recommend that you consult your local authorities with regards to any building regulation requirements, any special requirements or any restrictions.
- These instructions are a guide to a typical installation and do not replace the advice of a professional fencing installer.
- All measurements referred to in this guide are subject to manufacturing tolerances and it is the responsibility of the installer to check all measurements prior to installation.

Piranha Fencing

Available Colours

Piranha Composite Fencing is fully capped and available in 3 colours, which are dual sided.

Fence Designs

STANDARD FENCE

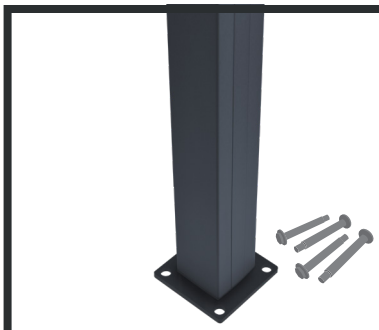
FENCE WITH TRELLIS

FENCE WITH DECORATIVE ALUMINIUM SLATS

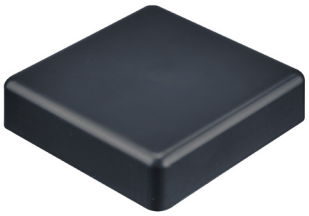
Fencing Components

FENCE BOARD
1760mm (W) X 150mm (Finished Height)

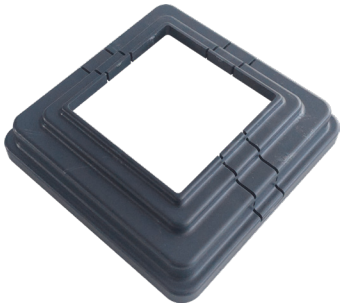
IN GROUND POST
2.40m (L)



BOLT DOWN POST & FIXING BOLTS
1.90m (L)



POST CAP



POST SKIRT

TOP & BOTTOM TRIM KIT

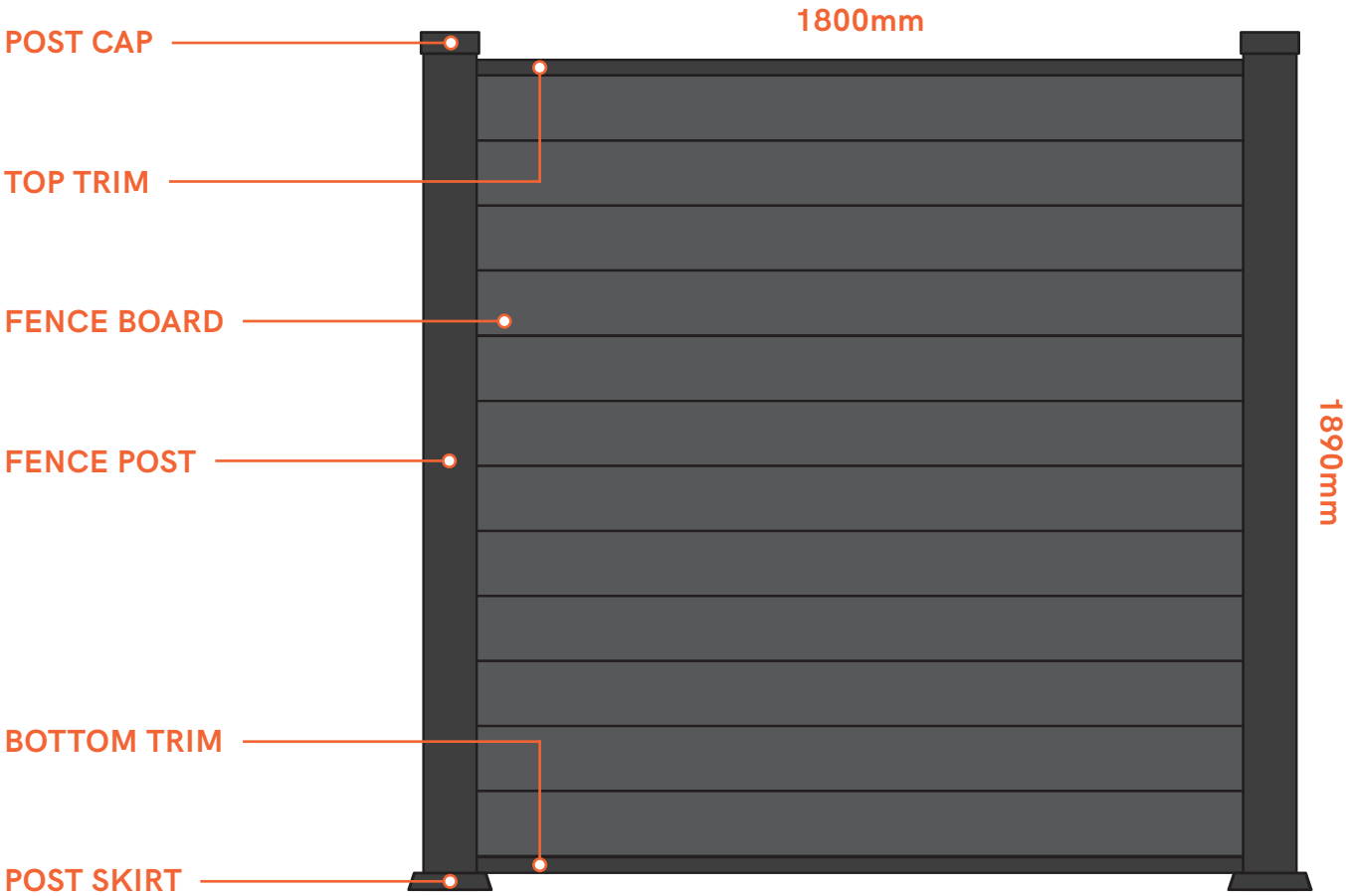
DIAGONAL TRELLIS

HORIZONTAL TRELLIS

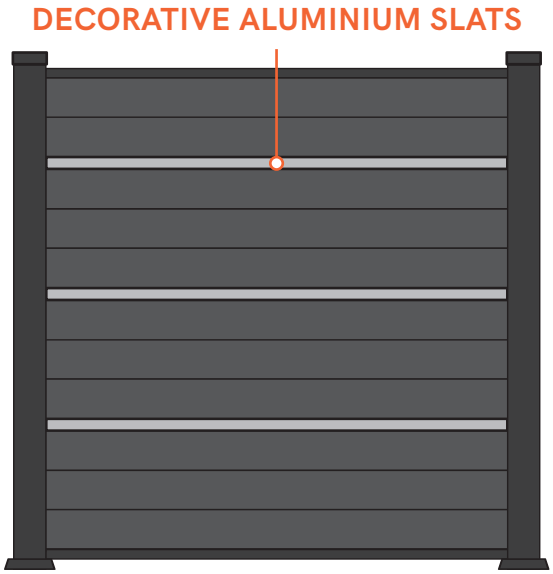
DECORATIVE ALUMINIUM SLATS

Component Assembly

The standard fence section for a 1890mm finished height, will have 12 Fence Boards.



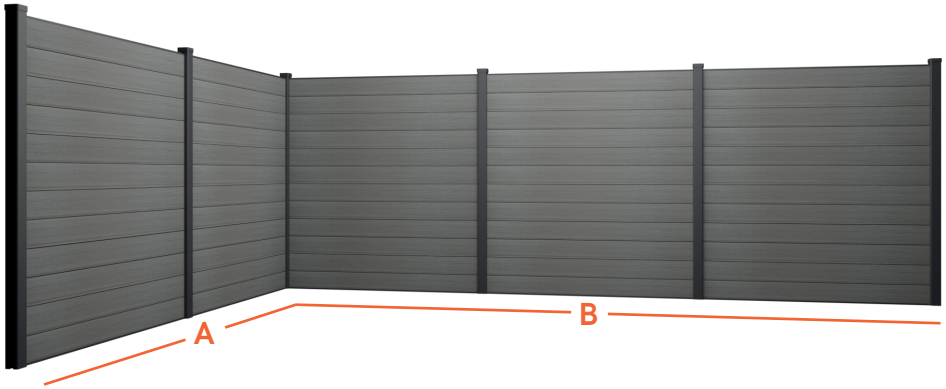
This configuration, based on standard measurements of 1800mm (W) x 1890mm (H), will have 9 Fence Boards and 1 Trellis.



This configuration, based on standard measurements of 1800mm (W) x 1890mm (H), will have 11 Fence Boards and 3 Decorative Aluminium Slats (1 Kit).

Calculating my Requirements

Standard Fence Kit



Measure the individual section lengths that you require to cover in metres, divide by 1.8m and round up. Add these together to give you the number of Fence Kits required. You will also need 1 additional Finishing Post Kit at the end of the fence run.

Example: Length A = 3.3m and Length B = 5m
3.3m divide by 1.8m = 2 Fence Kits
5m divide by 1.8m = 3 Fence Kits

Total required is 5 Fence Kits plus 1 additional Post Kit

Please note: Some panels will need to be cut to the required size. Boards can be cut to reduced centres below 1.80m, using a fine TPI (tooth per inch) wood blade on a chop saw. The Top & Bottom Trim can be cut to size. Simply slide the bracket along, trim to the required size, pilot the holes and fix.

If your design is sloped, it is recommended that you add at least 5% to the total Fence Boards required, to allow for wastage.

Bespoke Fence

To determine how many Fence Boards you will require, divide the length of the area by 1800mm. This is the measurement between post centres.

A single Fence Board has a finished height of 150mm once the boards have been stacked on top of each other horizontally.

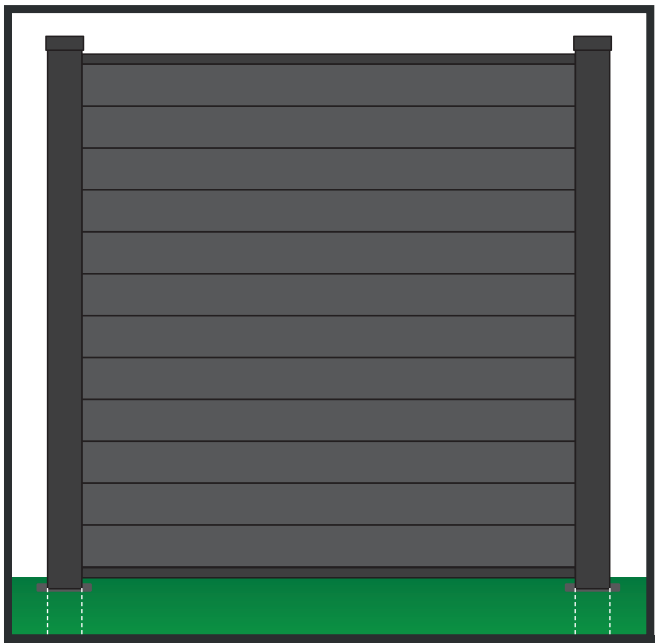
Divide the required height by 150mm to establish the number of boards that you will require for your respective height.

Height Examples:

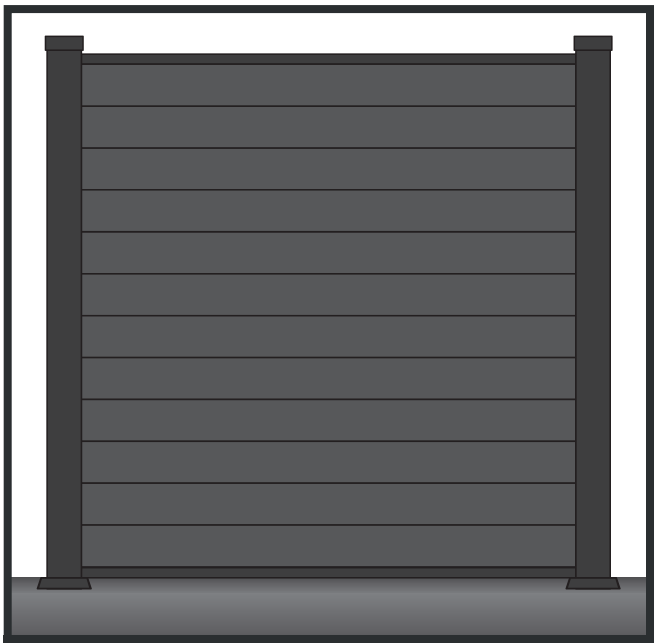
1800mm (6 Feet)	–	12 Boards
1500mm (5 Feet)	–	10 Boards
1200mm (4 Feet)	–	8 Boards
900mm (3 Feet)	–	6 Boards

Installation Options

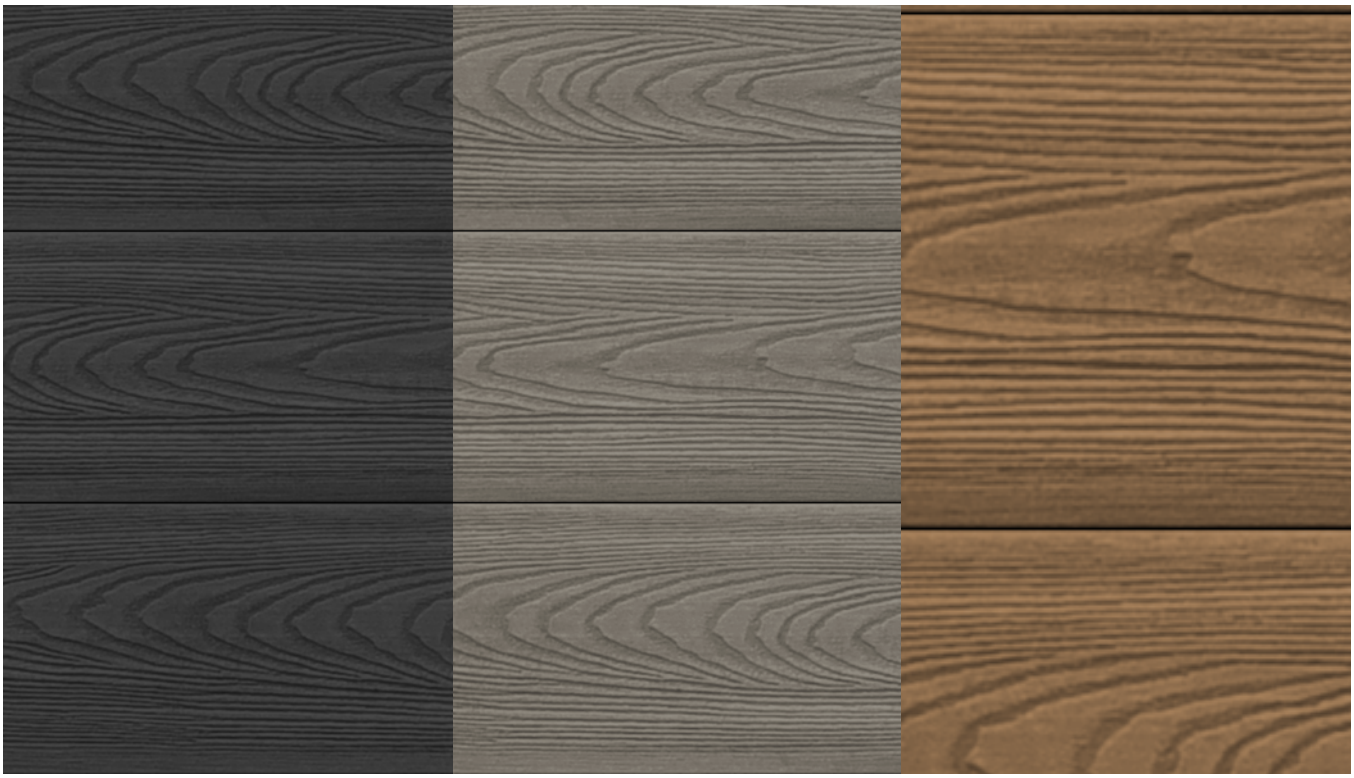
The type of foundation underneath the proposed fencing area will determine the post substructure needed to support the fence.



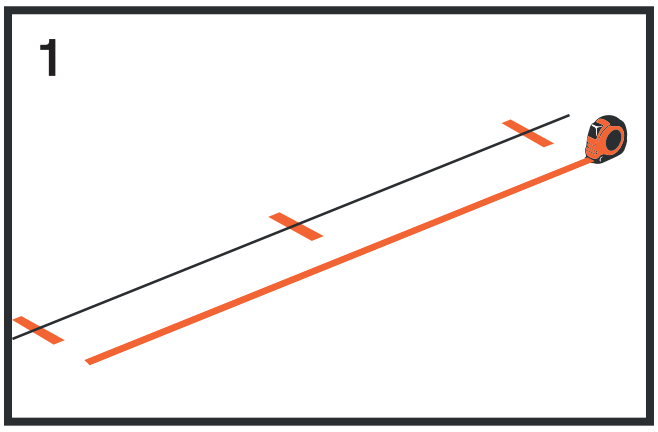
OPTION 1 - FIXING INTO THE GROUND WITH A CONCRETE FOOTING



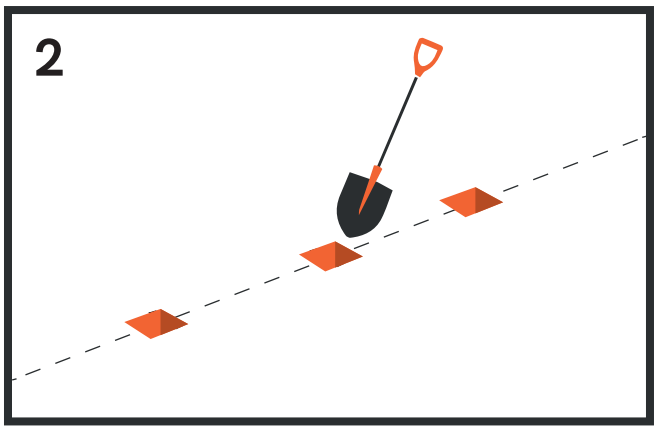
OPTION 2 - FIXING INTO A PRE-PREPARED FOUNDATION



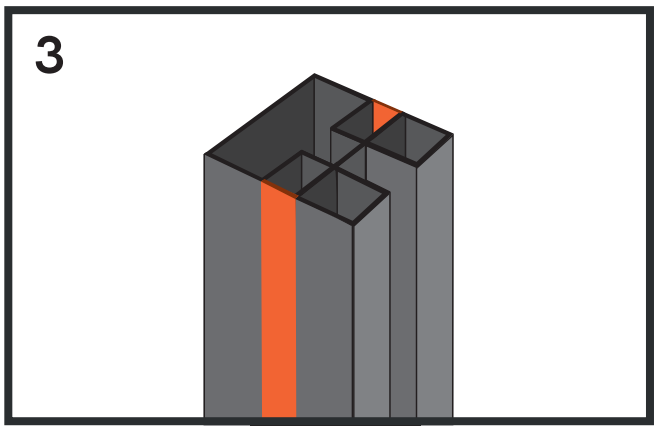
Option 1 - In Ground



Mark out the line of the fence using a string line, ensuring that the area is free of any obstacles. Ensure that you install the posts on your side of the boundary.



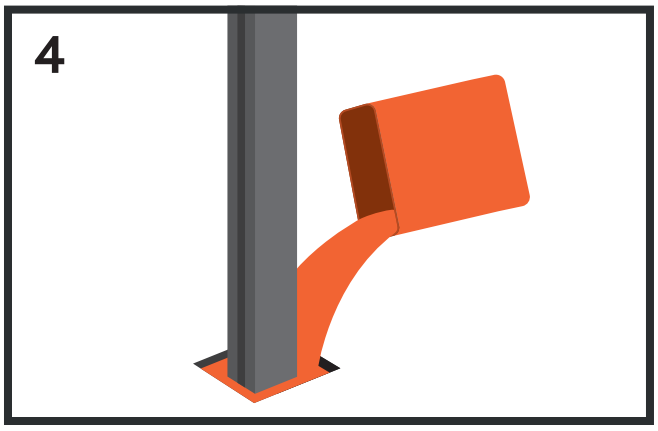
For most installations, a hole dug out to a recommended depth between 600–850mm is generally appropriate, depending on individual site and ground conditions. Remove any rocks or roots.



The Fence Posts can also be utilised in an 'L' shape and 'T' shape design by removing the relevant post slot closure piece.

Remove the relevant post slot closure depending on the configuration and place the Fence Post in the hole.

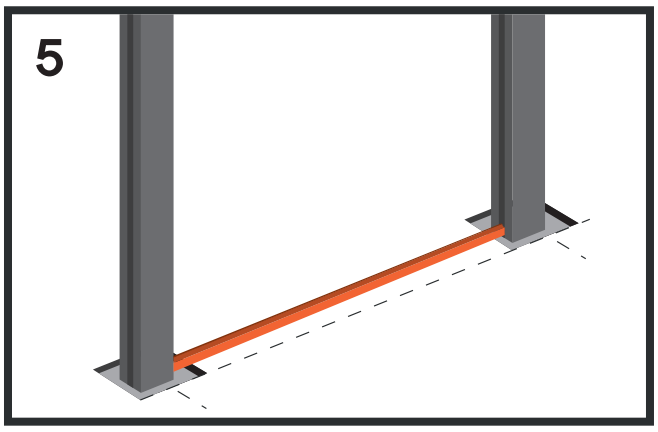
Check that you have the required height above ground level for your respective fence.



Fill the hole with a suitable cement based product, to suit ground conditions.

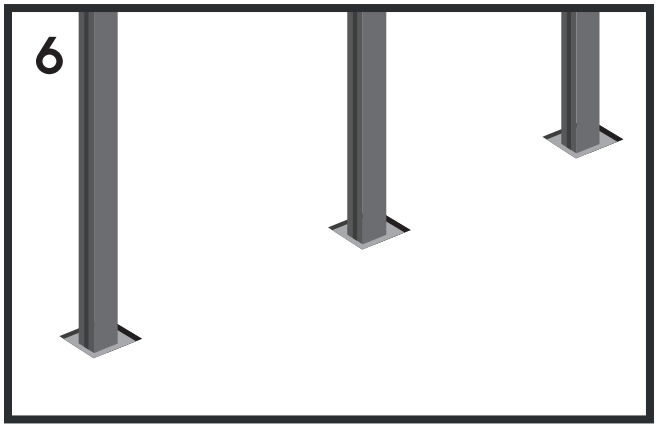
The hole should be filled to about 25mm below the ground level and the concrete angled away from the Fence Post to assist any water run off.

Option 1 - In Ground



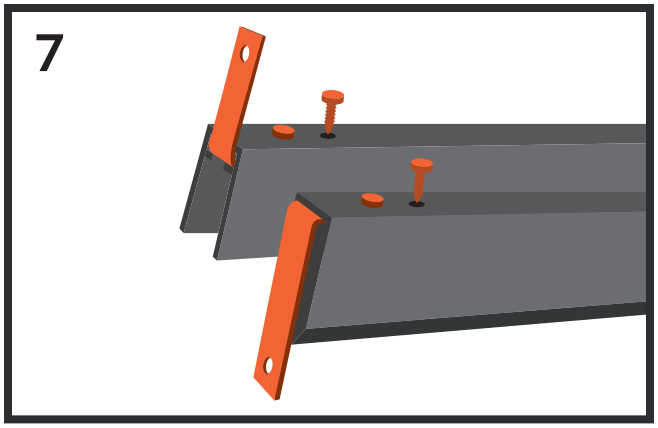
Using a string line, measure the distance to the next post. This should be done from centre to centre of the posts.
Use the Bottom Trim to check for fitment.
Be careful not to get any concrete on the Trim.

Please note: For installing on sloping ground, refer to our Installation - Top Tip section on Page 12.



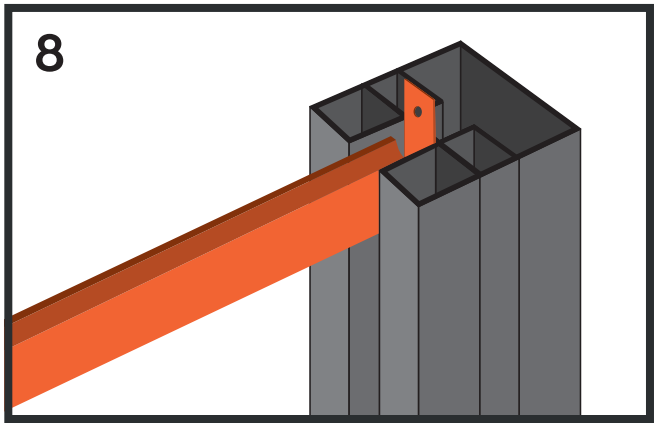
Repeat the procedure for all remaining posts.

It is advisable to always check the measurements between the centre of the post from both top and bottom to ensure that these are the same.



Fasten the bracket into the Top Trim with the provided screws and tighten with a crosshead (Phillips) screwdriver. Repeat with the Bottom Trim.

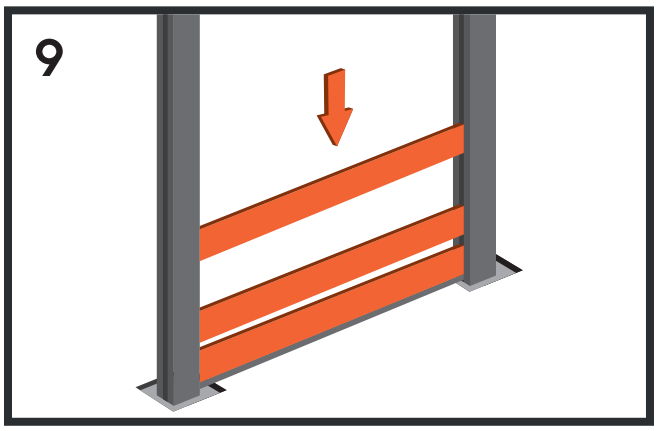
The bracket should be positioned inside the Trim and the holes aligned.



Insert the Bottom Trim into the grooves on the posts, aligning it at both ends.

Once the required level has been achieved, secure the Trim into the Fence Posts.

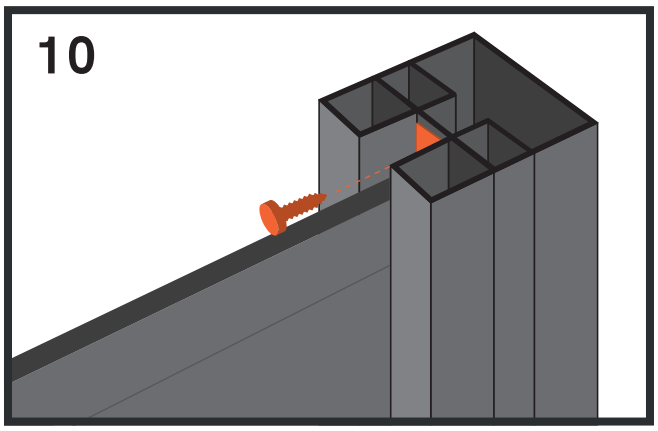
Option 1 - In Ground



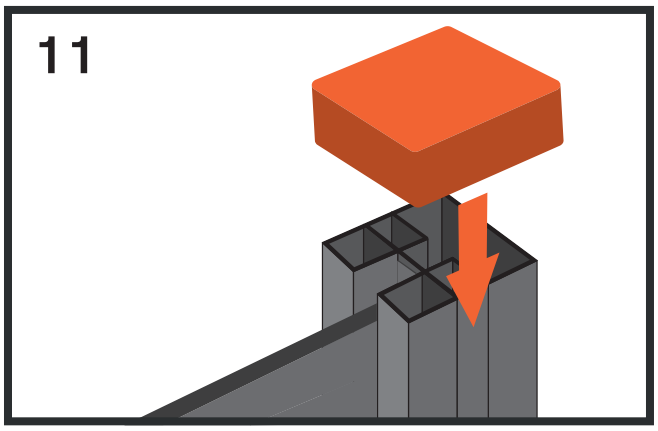
Slide the initial Fence Board down the post grooves and into the Bottom Trim. Once secure, slide the next Fence Board down the post grooves onto the previous Fence Board.

Now slot the remaining boards to your desired height.

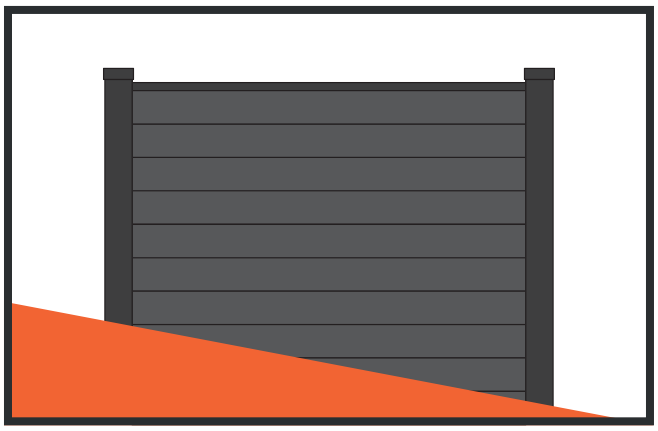
Please Note: 12 Fence Boards for a standard 1.80m (6ft) fence height



Secure the Top Trim to the Fence Post using the screws provided.



Insert the Post Cap onto the post.

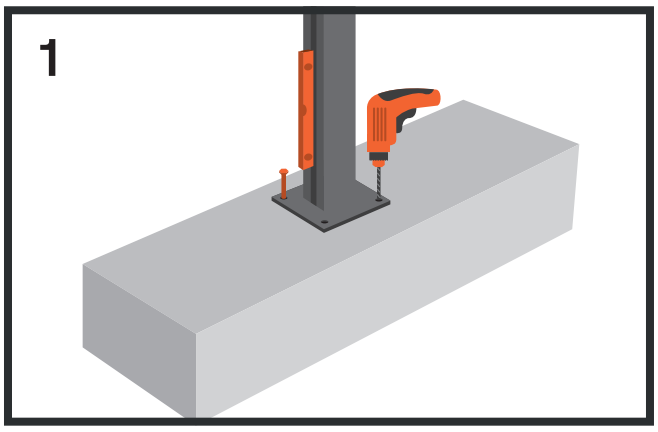


Installation Top Tip - If you are installing the fencing on a gradient or slope, mitre (cut) the respective Fence Boards to the desired angle and length.

Always ensure that the top of the Fence Boards are straight and level when installed into the posts.

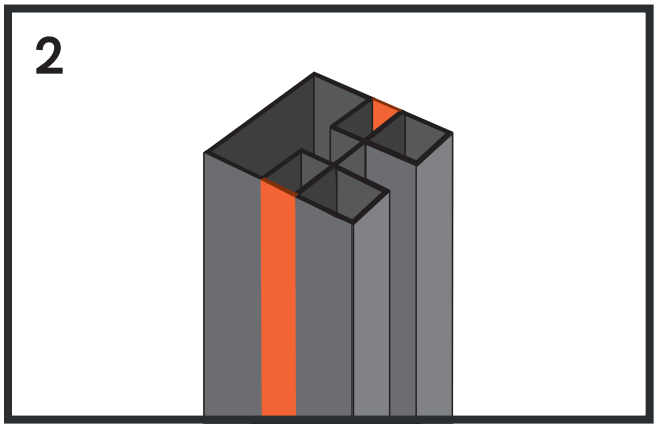
The Fence Boards can also be scribed into the ground if required.

Option 2 - Pre-Prepared Foundation



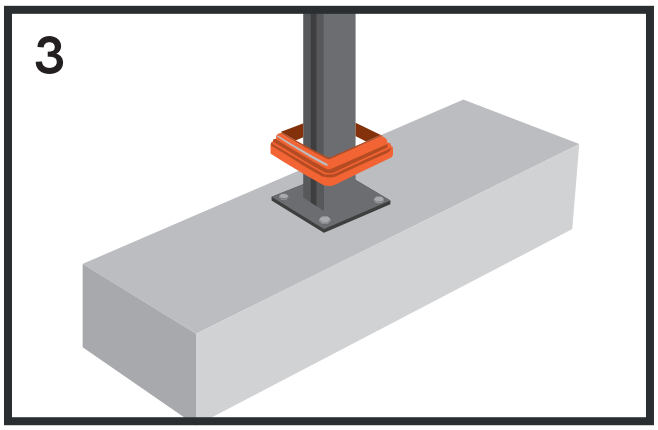
Before you start the installation, ensure that the wall or footing is in good condition. The foundation should be sufficient to deal with local environment, ground and weather conditions. If in doubt, please contact our Customer Experience Team on:
customerexperience@talasey.co.uk

Place the Bolt Down Fence Post in the required position, ensuring it is level and square. Mark the hole positions through the post mount base. Using a 12mm masonry drill bit, pre drill the holes. **Please note:** Posts can be cut to suit panel height.

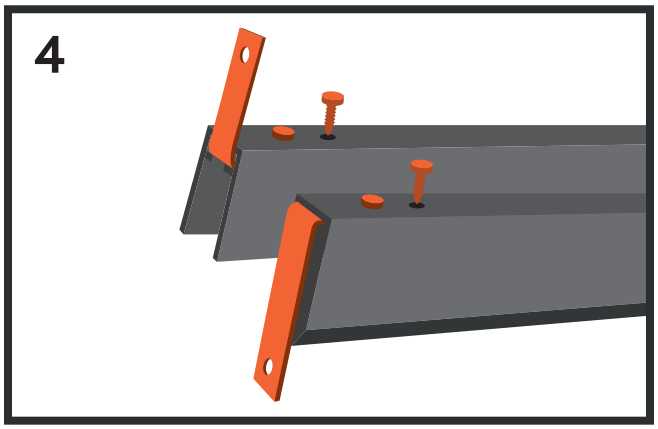


Ensure that the post is plumb and secure the Fence Post in position using the relevant fixings, if required to level the post. Tighten all 4 bolts.

The Fence Posts can also be utilised in an 'L' shape and 'T' shape design by removing the relevant post slot closure piece. Remove the relevant post slot closure depending on the configuration.



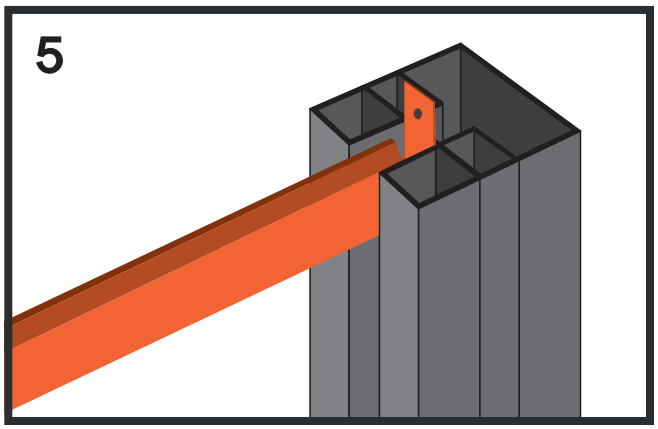
Place the Post Skirt over the bolts. Snap out the desired slot, depending on you orientation.



Fasten the bracket into the Top Trim with the provided screws and tighten with a crosshead (Phillips) screwdriver. Repeat with the Bottom Trim.

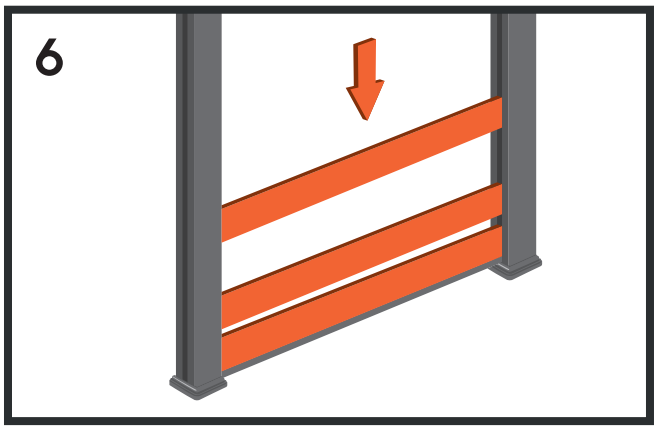
The bracket should be positioned inside the Trim and the holes aligned.

Option 2 - Pre-Prepared Foundation



Insert the Bottom Trim into the grooves on the posts, aligning it at both ends.

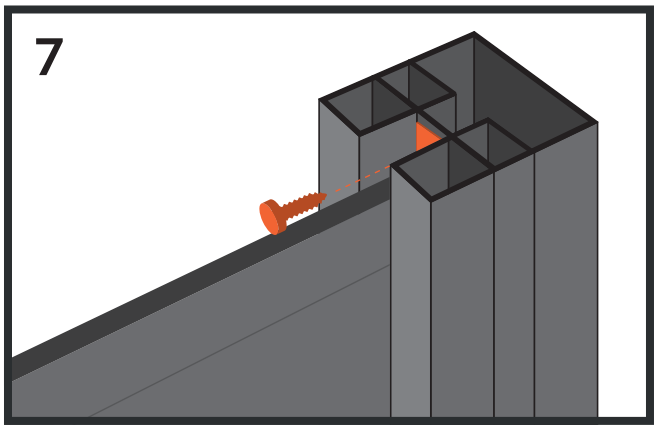
Once the required level has been achieved, secure the Trim into the Fence Posts.



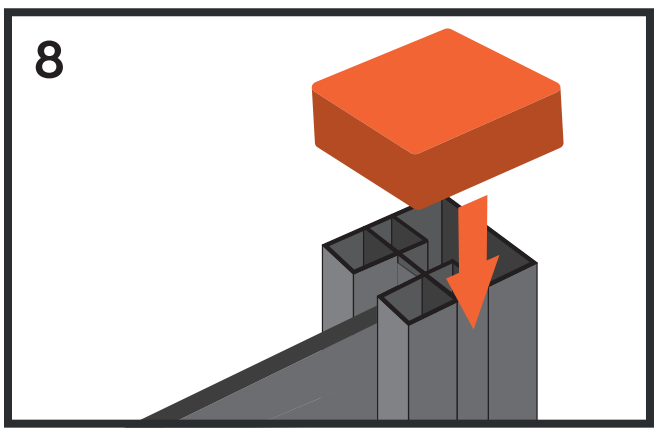
Slide the initial Fence Board down the post grooves and into the Bottom Rail Trim. Once secure, slide the next Fence Board down the post grooves onto the previous Fence Board.

Now slot the remaining boards to your desired height.

Please Note: 12 Fence Boards for a standard 1.80m (6ft) fence height



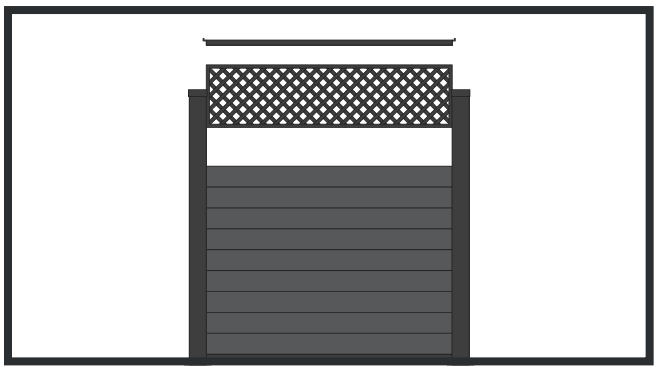
Secure the Top Trim to the Fence Post using the screws provided.



Insert the Post Cap onto the post.

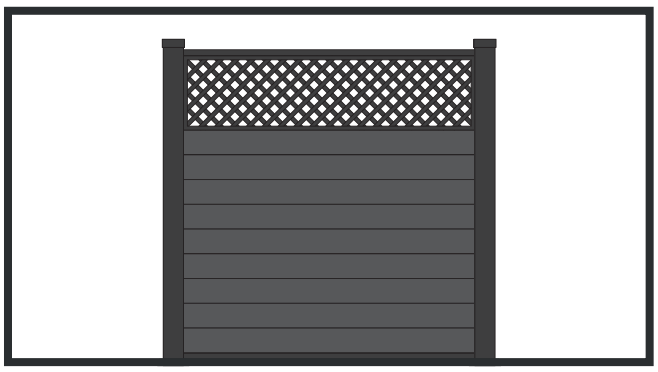
Trellis Installation

Horizontal Trellis



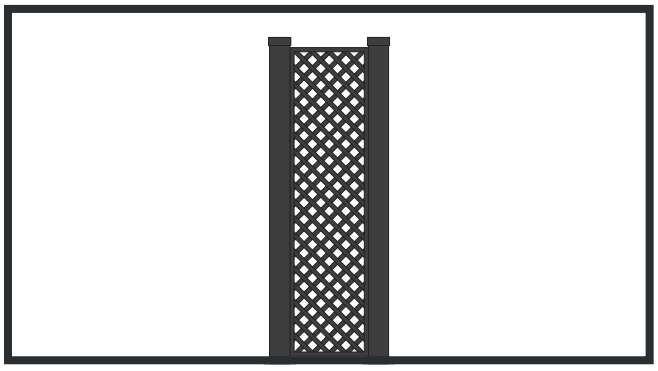
The Trellis height is the same as 3 Fence Boards (450mm).

This can be inserted into the posts channels and positioned on top of your last Fence Board.

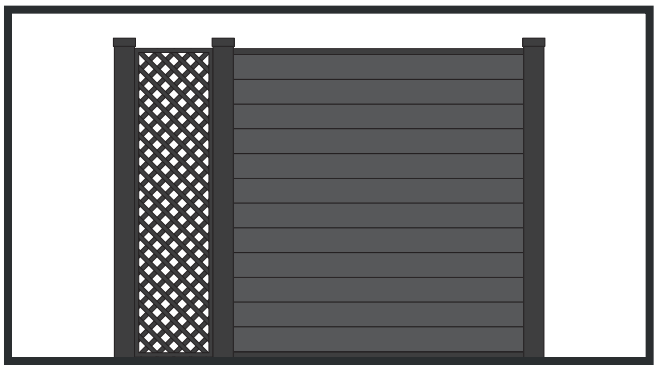


Secure the Top Trim to the Fence Post using the screws provided.

Vertical Trellis



The Trellis can be used to create semi private spaces within your fencing. This is done by installing the Trellis between two posts in a vertical position.



Cut the Top & Bottom Trim to the desired length, and fasten the brackets in place.

Insert and fix the Bottom Trim, slide the Trellis in place and secure with Top Trim.

General Information

Colour Stabilisation

All our Piranha products contain UV stabilisers, however, due to their high natural content, all composite landscaping products will go through an initial colour stabilisation. Piranha Fencing provides increased protection against fading & weathering, providing the boards with an extra long life, due to its HDPE capping.

Colour Banding

Variation is designed into the shade spectrum using colour mixing, but some packs may have a more predominant shade to the next. Bear this in mind and inspect each pack to see if you need to consider mixing to create a natural blend.

Orders bought at different times will exhibit shade difference.

Even products purchased at the same time but then split into two separate projects at different times will stabilise at different rates. For example, if an area is installed and then extended some time later, even with the same consignment of product, there will be variation exhibited.

Maintenance & Care

Piranha composite products are low maintenance, however with a little care you can help keep your fencing looking good for many years.

We recommend cleaning your fencing every 3-6 months.

General Cleaning - Apply warm soapy water to the surface of the boards and clean with a soft bristled brush.

Deep Cleaning - Use Pavetuf Composite Cleaner which is specifically designed for the removal of built up surface dirt. It is biodegradable and is a non-acidic, non-caustic formula. Alternatively use a jet wash with no greater than 1500 PSI to clean the surface of your fencing. Have the jet wash on a fan setting and hold 300mm from the surface. Regardless of which cleaning method you choose, always clean along the length of the boards to prevent any accumulation of debris that can interfere with water drainage.

Stubborn Spot Stains - For stubborn stains, such as oil and grease marks, we recommend that you use the techniques outlined above as well as the advice below: Treat the affected area within the first 7 days. Pavetuf Deep Cleaner can be used, as it contains a degreasing agent which assists in the removal of heavy soiling such as oil and grease stains from the surface of hard landscaping products, including composite fencing boards.

Surface Mildew and Mould Growth - Piranha fencing boards are resistant to the damaging effects of both mould and mildew growth, this type of growth can occur on almost every outdoor surface and may collect on the surface of the product. General routine cleaning will help avoid excessive build-up of such growth. Pavetuf Green-Off Cleaner can be use if there is a build-up of organic growth. It is a fast acting cleaner specifically designed for the treatment of organic growth.

Water Stains - Use warm soapy water to thoroughly clean the affected boards. You may want to use a jet wash on the affected area to assist with the removal of surface residue. To further speed-up this process, use Pavetuf Composite Cleaner.

Painting & Staining - Piranha fencing is a fully capped composite product and therefore requires no painting or staining.

Pavetuf Composite Cleaner - A concentrated acid free cleaner for use on composite decking, cladding, fencing and doors.

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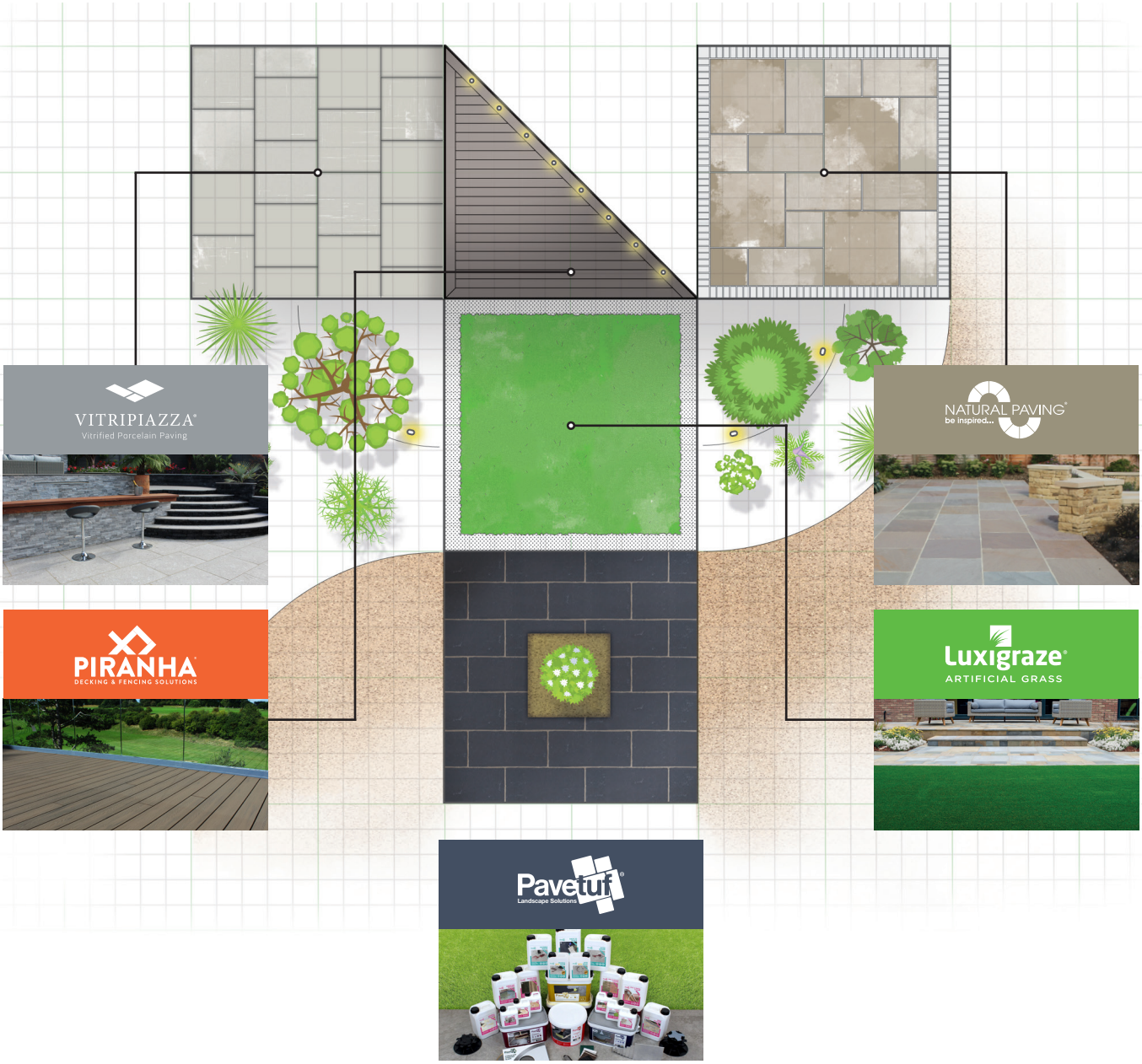

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