

# INSTALLATION GUIDE



**NorthValley**  
COMPOSITES

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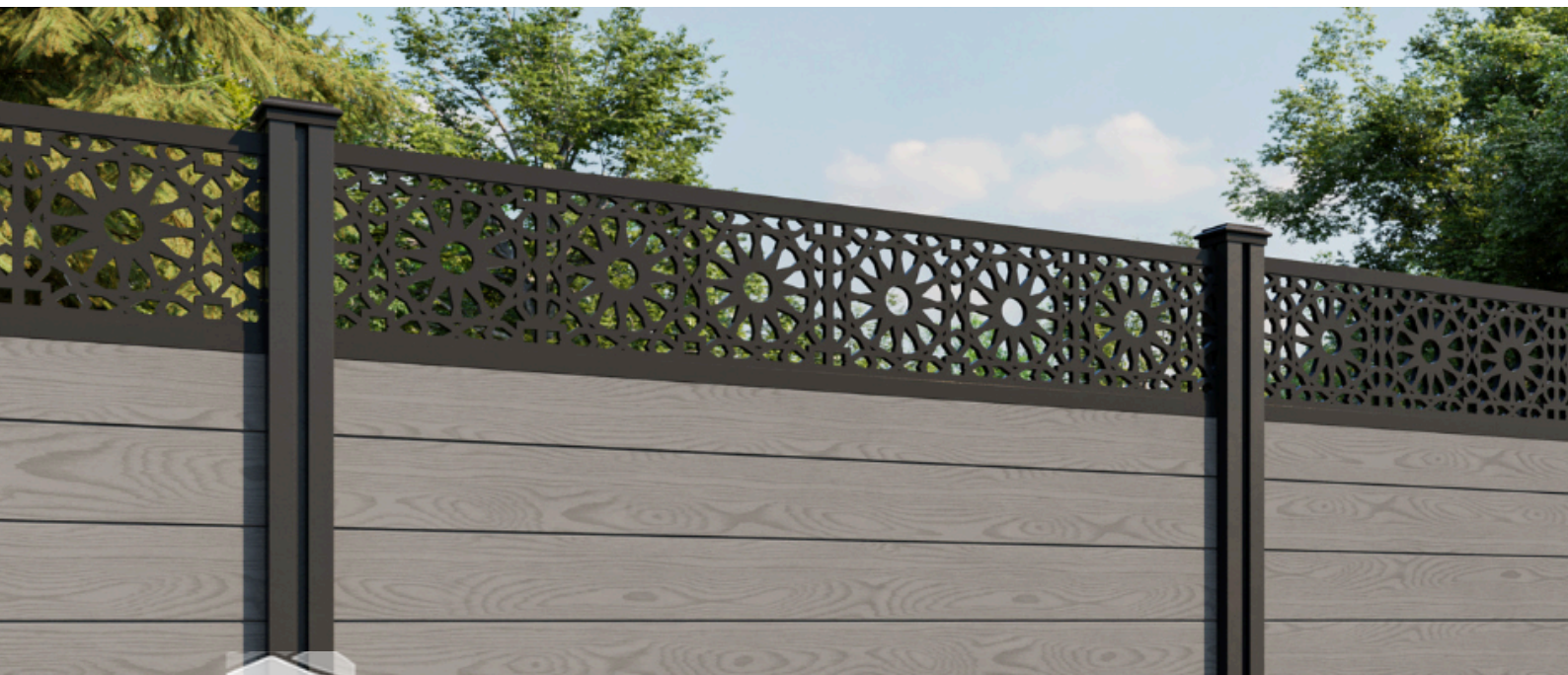
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# STORAGE & HANDLING

*Although composite boards are highly durable, please follow these important guidelines for storing, handling, and working with composite products to preserve their original appearance*

## **HANDLING & STORAGE**

- To unload composite safely, ensure there are at least 2 people present and handle them carefully to avoid injuries
- Each board weighs around 4.5 kilos, so avoid carrying too many at once
- When transporting boards by hand, carry the slats on a tilt for better support
- Do not slide or drag boards across each other to prevent damage to the texture
- Store boards flat, level and off the ground at all times. Use support battens under them at 500mm intervals to prevent sagging
- Stack pallets, but limit each stack to 2 pallets
- Cover the composite with a tarpaulin or similar covering to keep them clean from debris until installation



# MAINTENANCE & CARE

Composite products require minimal maintenance, but a bit of cleaning can prolong the beauty of your outdoor area. Please note that while our products are relatively colour-stable, there might be some initial fading during the first 8-10 weeks after installation.

## Cleaning Maintenance:

Keeping your composite clean is a simple task that can be completed using a few easy techniques:

- Employ a soft-bristled brush with a mild detergent or common household degreaser, such as washing up liquid.

## Removing Stains:

Act promptly to address any stains on your composite panels to prevent them from becoming permanent. A gentle soap or household washing-up liquid can effectively treat fresh stains. Thoroughly scrub the affected area and wipe it clean to eliminate the stain.

Avoid sanding the stained areas as it may harm the board's texture. If regular cleaning methods are unsuccessful, consider using a wire brush gently along the grain to remove the stain. Please be aware that this may cause a slight color difference until the scuffed area weathers and blends with the rest, which could take up to 3 months.

**North Valley Composites advises against using strong cleaning solutions or excessive washing of your fence panels.**



# TOOLS YOU MAY NEED



## Protective Equipment

Wear long sleeves and gloves when handling fencing panels. Use a dust mask, ear defenders, and safety glasses when cutting.



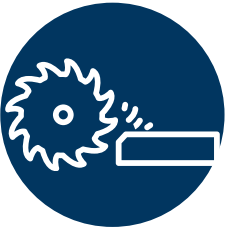
## Tool Set

You'll need standard carpentry tools like a tape measure, pencil and string. Use a chop saw to cut fencing rails to size.



## Power Drill or Driver (for bolt down posts)

A standard power drill can be utilized for installing composite fencing, requiring a 10mm masonry drill bit for 80mm coach bolts.



## Chopsaw or Handsaw

Composite fence panels and posts can be cut using a standard wood cutting tools. We recommend using a fine toothed blade to get the cleanest finish to your cut edge



## Spirit Level and String

Using a spirit level is crucial when installing your posts to guarantee a perfectly level support system



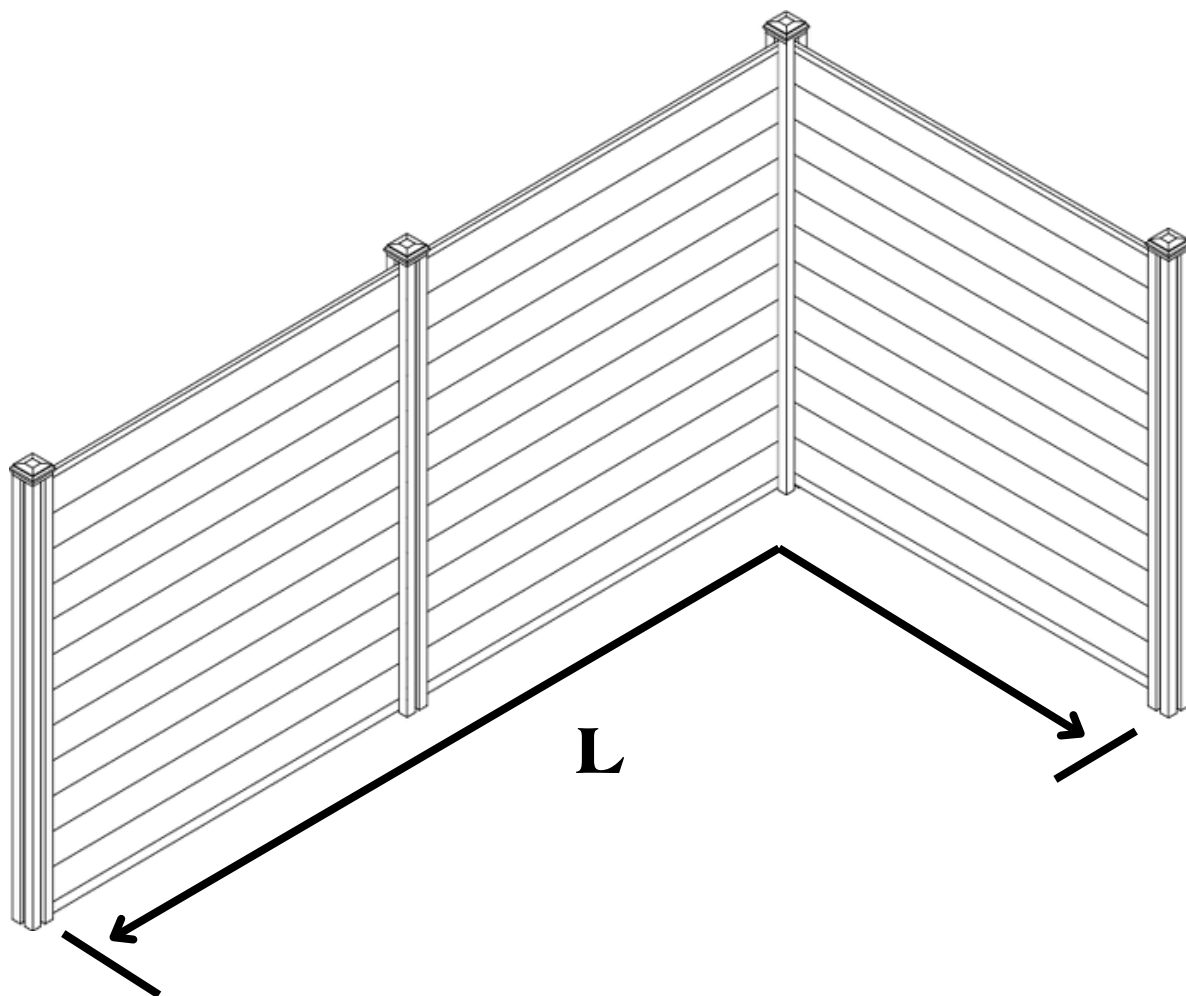
## Shovel

You'll need a shovel to dig the post holes, as well as a bucket, water, and postcrete to create the concrete base for each post.



# CALCLATING MATERIALS

To determine your fencing material requirements use the method below, our online calculator, or by contacting our technical experts at 01282 677 300.



Start off by measuring the length of the area(s) you wish to install composite fencing. To figure out the height needed, the inclusion of the top and base rail equals 60mm and two boards slotted together are 300mm.

Once you have the final desired length, divide it by the total length of a panel and two posts - 1.926m.

**For example, we will use a fencing area of 1.926m long**

**Length = 20m, so  $20\text{m} / 1.926 = 10.38$  panels, rounded up to 11 fence panels**

**The above formula includes a 10mm expansion gap.**

Once you have calculated your fence panels, you can order online, by e-mail or over the phone



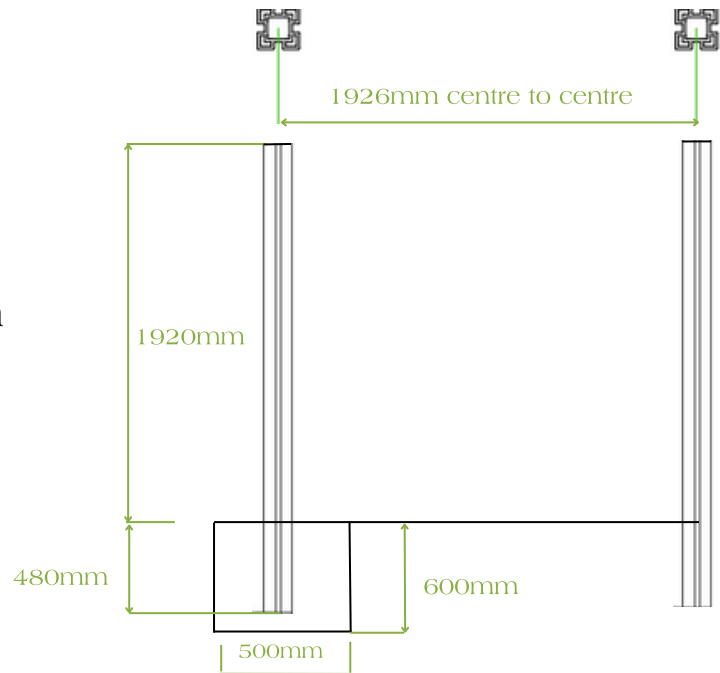
# INSTALLATION - Composite Posts

Before installing your composite project, it is advisable to check that the products you received correspond to your order.

## Concrete in method

For a quick installation, opt for a fast-setting concrete specifically made for fence posts

- Place the composite posts 1926mm apart from centre to centre.
- Mark the post location, dig holes 500x500x600mm deep, insert posts to stand 1920mm above ground.
- Fill holes with concrete and ensure posts are level, straight, and parallel using a spirit level.



## Bolt down method

For the bolt down method, make sure to anchor on a suitable concrete foundation and avoid fastening near the concrete's edge for stability. Not recommended for high wind areas

- Place the composite posts 1926mm apart from centre to centre.
- Securely bolt down the base plates using the anchor bolts provided
- Once the mount is fixed, slide the post over the steel mount. The posts are longer to accommodate concreting for a 6ft panel and will require cutting down to size using a handsaw.



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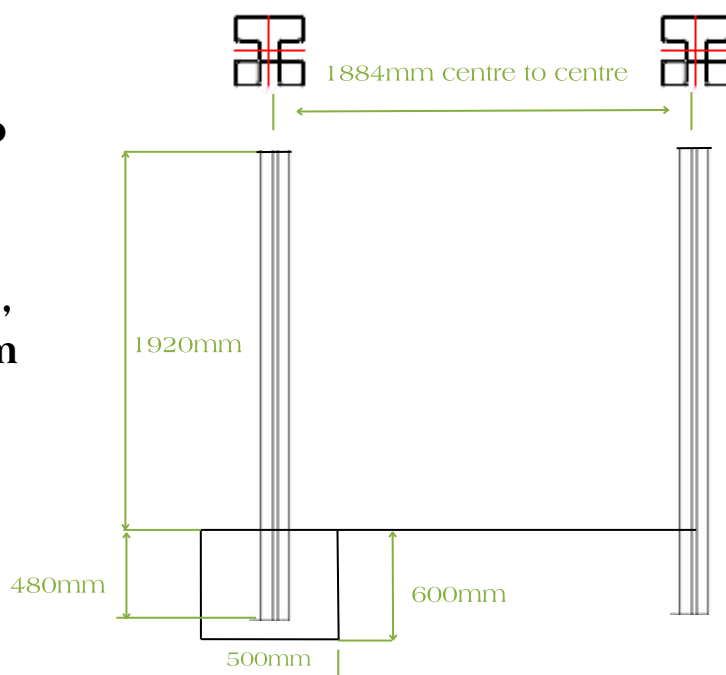
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# INSTALLATION - Aluminium / Concrete Posts

## Aluminium Concrete in method

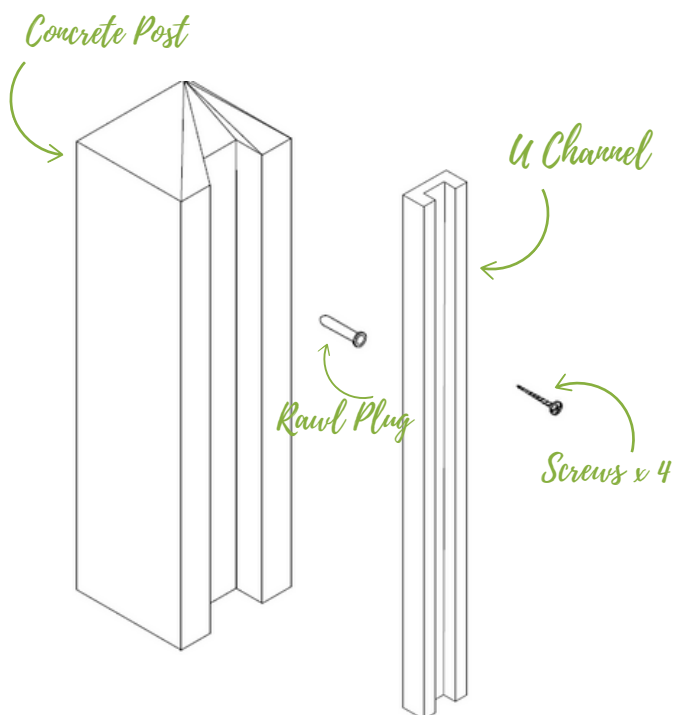
For a quick installation, opt for a fast-setting concrete specifically made for fence posts

- Place the aluminium posts 1884mm apart from centre to centre.
- Mark the post location, dig holes 500x500x600mm deep, insert posts to stand 1920mm above ground.
- Fill holes with concrete and ensure posts are level, straight, and parallel using a spirit level.



## Existing Posts

Convert your Concrete Posts for Composite Panels



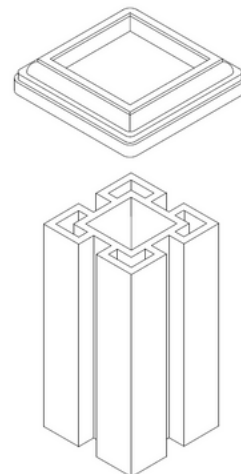
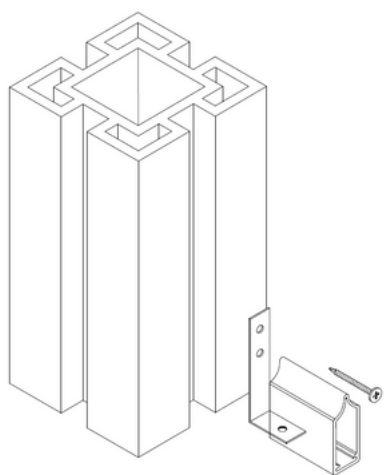
- Each U Channel section is 1850mm long to suit a 6ft high fence panel and accommodate a 10mm expansion gap
- Can easily be cut down to size
- Simply screw into your existing post using the fixings supplied.



# INSTALLATION

## Post Base

The base plates hide the composite posts' ground fixings and can be easily installed by sliding them over the fixed posts.

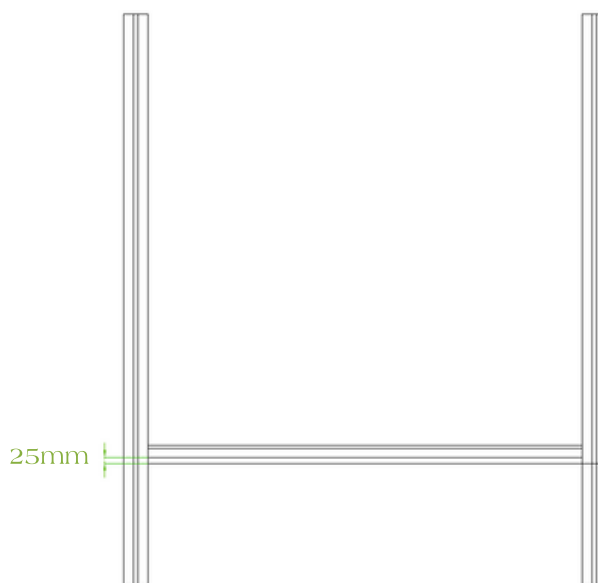


## Bottom Rail

Identify the bottom rail by its shape, ensuring the tongue fits onto the groove of the board.

## Secure Rail

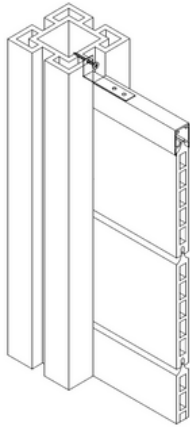
Slide the rail to the bottom of the post ensuring you leave approximately 25mm from the ground as clearance. Using the L brackets provided, secure the base rail to your post



# INSTALLATION -Installing the boards

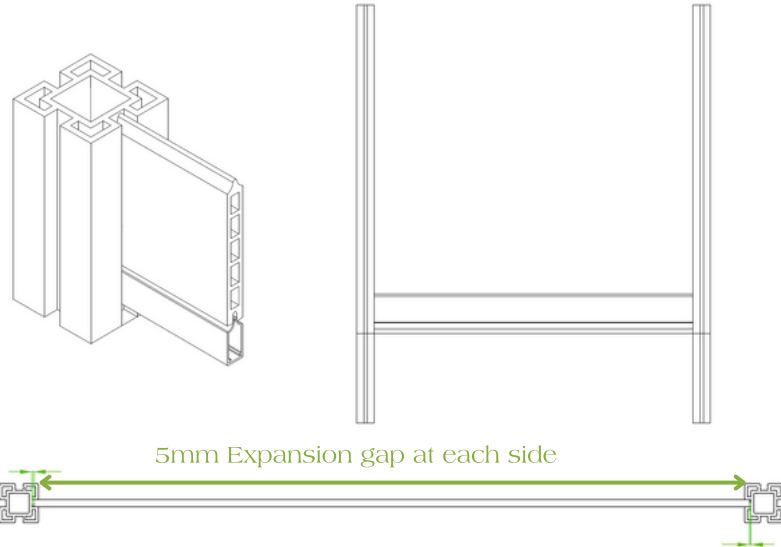
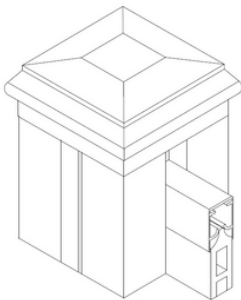
## Line up the Composite Panel

Place the board between the posts and push down until it is sat on the bottom rail, ensuring a 5mm expansion gap, either side of the board. Repeat this step for the remaining boards.



## Decorative Screen

If adding a decorative screen, insert into place, maintaining the 5mm expansion gap either side and secure with the additional top rail



## Top Rail

Once your boards are installed and level add the top rail, securing it into place by extending the L brackets and fix to the post.



## Post Cap

The final touch is the post cap, which is easily attached by pressing onto the top



**Our composite boards are primarily designed for horizontal installation; however, we understand they are also used in gate applications. While North Valley Composites cannot offer specific fitting advice for gates, we recommend the following guidelines:**

- Ensure a 10mm expansion gap around the edges.**
- For vertical installations, gates over 1.4m in height must include a cross brace for added stability.**

**Please note, that North Valley Composites will not accept any responsibility for any warping or damage to the boards when used in gate installations.**



**Thank you for choosing**



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We hope you're as thrilled with our product as we are and that your fencing project turned out beautifully!

We'd love to see the finished results. For a chance to win a £50 Amazon voucher, simply tag us in your photos on any of our social media platforms.



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