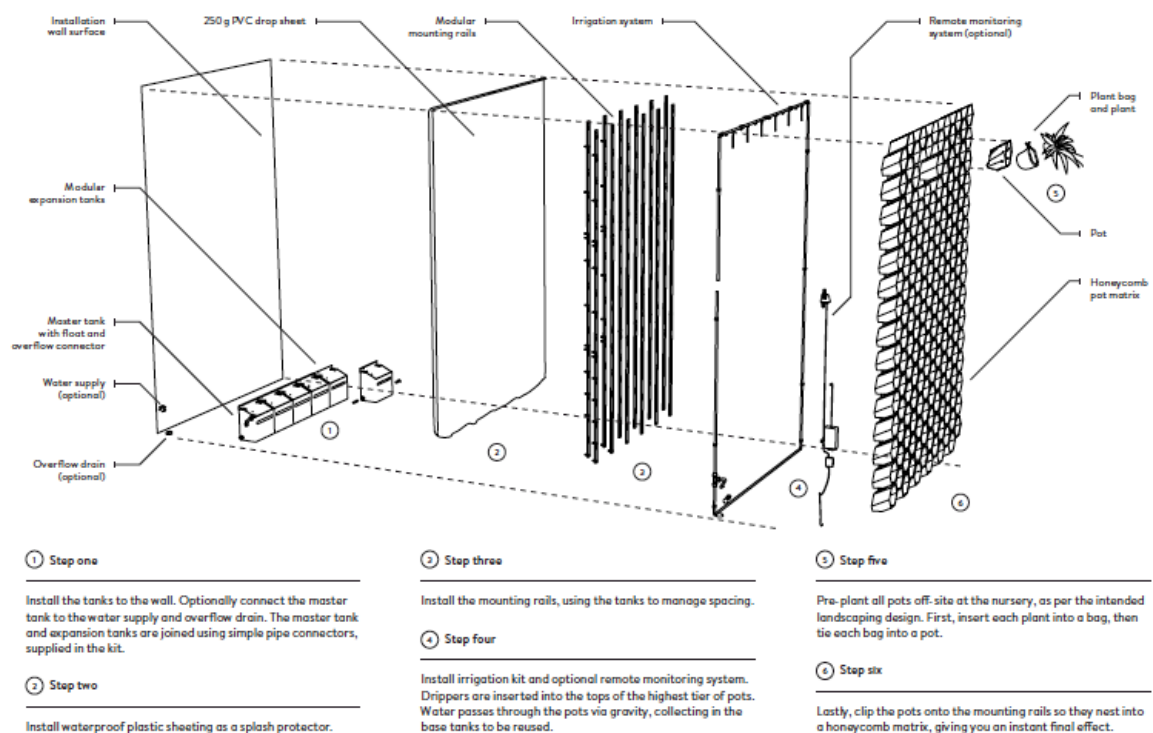




Preparing the wall surface for your GrowUp greenwall.

In preparation for this detailed technical document watch this [how it works video](#) for a full system and component overview. If you have any questions, please arrange a consultation with an experienced greenwall professional.



There are a variety of different ways that the aluminum rails can be affixed to a wall, fence or purpose-built frame. These are explained below:

Note: you will need #10 screws appropriate length for the installation method chosen below. The rail depth is 3/8", so take this into account when deciding what length screw is best for the wall surface and mounting method selected below.



1. Affixing to drywall (typically indoors)

Although it is perfectly acceptable to affix the rails directly to the drywall we recommend affixing a $\frac{1}{2}$ " to $\frac{3}{4}$ " plywood layer to the wall first. Marine grade or pressure treated is also an option to consider. A waterproof poly sheet will be applied over the plywood and under the rails to keep moisture away but an extra layer of protection is always a good idea.

The benefits of this method include:

- The plywood can be screwed to the wall studs to ensure the wall can bare the weight of the green wall (approx. 12lb/sqft)
- The wood creates an additional waterproof barrier between the wall and the green wall and
- Screwing the rails to the wall is much quicker
- Fewer holes are drilled into the drywall

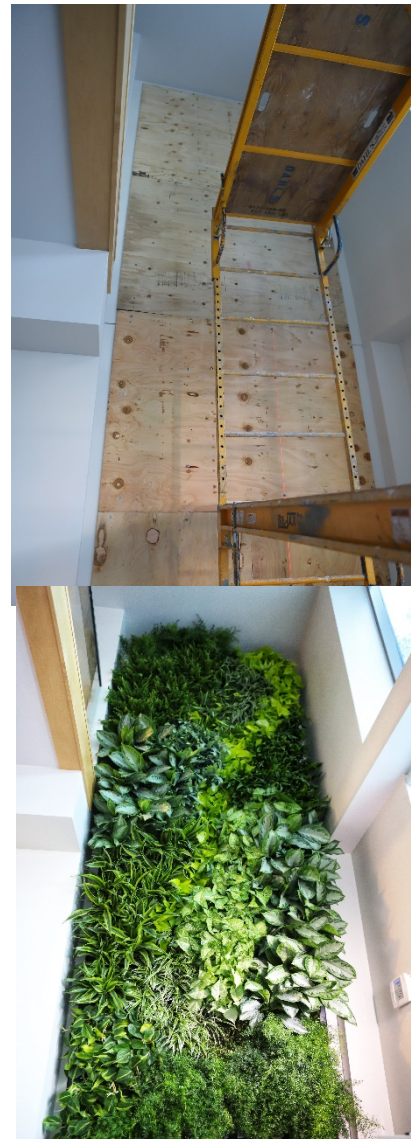
Once the plywood layer is installed, follow the instructions in the instruction manual to install the rest of the components.

Tip: We always recommend using the waterproof sheeting supplied. Details of how to use the waterproof drop sheet are included in the instruction manual.

Once the plants are hung, none of the wall or framing work is visible and you are presented with a beautiful, instant green wall.

GrowUp Support

We can provide detailed shop drawings customized for your project. Speak to one of our green wall experts for detailed design tips and advice.





2. Affixing to Stucco, brick or concrete walls.

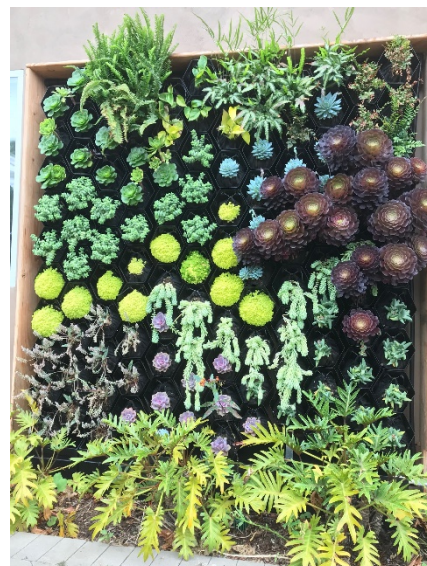
Although the rails can be fixed to any wall you can reduce the number of holes to be drilled into the wall by affixing 2"x8" cross pieces to the wall as shown below. These should be screwed into the studs and be strong enough to ensure the cross piece will carry the weight of the greenwall. Fully planted the greenwall weight is typically 12 lb/sqft. Pressure treated lumber is recommended.

The benefits of this method include:

- The greenwall stands away from the actual wall of the building, allowing for good airflow and avoiding any moisture buildup on the wall.
- The number of holes drilled into the stucco is kept to a minimum

Note: If you prefer to avoid drilling any holes into the stucco the method below can be used directly up against an existing wall – see freestanding method below.

Once the plants are hung, none of the wall or framing work is visible and you are presented with a beautiful, instant green wall.



GrowUp Support

We can provide detailed shop drawings customized for your project. Speak to one of our green wall experts for detailed design tips and advice.



3. Free standing method

Building a frame to create a double sided or single sided greenwall screen, is a simple job.

Place 4x4 posts (treated timber or steel) a suitable distance apart based on the overall finished wall size. We can provide a detailed shop drawing for each installation, please request this when placing your order.

Use cross pieces as shown above to create a frame onto which you can affix the rails as shown in the diagram below.

Once the plants are hung, none of the wall or framing work is visible and you are presented with a beautiful, instant green wall.



GrowUp Support

We can provide detailed shop drawings customized for your project. Speak to one of our green wall experts for detailed design tips and advice.