



Designing with Nature

Top Tips for Living Wall Success



Where Walls Learn to Breathe



Life on Walls - by nature

Taking gardening in a new direction

Life on Walls was founded after more than two decades of hands-on experience designing, installing, and innovating with living walls. Architect and founder Armando Raish recognised early on that buildings don't just need to be beautiful – they need to breathe. Through years of experimentation and observation, he uncovered how living walls could improve insulation, reduce noise, enhance air quality, and ultimately transform how we interact with the built environment.

The real breakthrough came through nature's own design (the golden angle of 137.5°), which revealed how plants naturally optimise light, space, and airflow. This understanding became the foundation for a simpler, smarter, and more intuitive approach to vertical gardening.

Life on Walls was created to make living architecture more accessible, adaptable, and impactful, empowering individuals and organisations to turn everyday walls into vibrant, living ecosystems.

Performance, not promises. Mathematical proof, not marketing claims.





Armando Raish
Founder and CEO, Life on Walls

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Our dream of sharing the rewards of living walls is now becoming a reality. Through the introduction of greenery into urban spaces and green deprived areas, we are spreading the love of all things green and giving a little back to Mother Nature that ultimately benefits each of us along the way.

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Armando Raish

1

How do I bring my walls to life?

Installing a living wall is relatively quick and straightforward. There are three main factors to consider: location, water supply, and method of support. The panels are typically arranged in a grid pattern and can be linked together to reach almost any height. Made from aluminium, these systems are also fire-rated.

So, if you're short on ground space or looking to add extra insulation to your property, a living wall is a great way to turn your vertical surfaces into the green space you've been imagining. Not only do they create striking visual displays, but they also offer added benefits like noise reduction and improved air quality.

2

Which walls can I bring to life?

You can bring almost any wall to life. Living walls typically weigh between 35–70 kg per square metre, depending on the system used. If you're concerned about adding weight to your wall, Life on Walls offers 2-metre-high units that stand on the ground and place minimal load on the wall itself. For installations over 2 metres, it's worth seeking professional advice. These self-supporting panels are built to last and can withstand just about anything the great British weather throws at them.

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Can I bring interior walls to life?

Yes, indoor gardens are becoming increasingly popular and can create stunning interior features that quite literally breathe fresh air into your home. Choosing the right plants is key, with careful consideration given to light levels and watering needs.

With a discreet built-in reservoir to recirculate water, you can create a free-standing display almost anywhere – even in spaces without direct access to water or power.

Buildings that grow more beautiful with time, not decay.



How do I water and fertilise my walls?

It's widely accepted that the most effective way to water living walls is through an automated irrigation or circulation system. With high-spec components, it's possible to deliver water precisely where and when it's needed. Life on Walls has developed a simple panel design that uses less water than many other living wall systems, thanks to a larger root-growing area combined with a specialist inert substrate.

This substrate retains more moisture, reducing overall water consumption to an average of just 1 litre per square metre per day in sunny conditions - significantly less than traditional container gardening. Fertiliser can be added manually, but for larger installations or walls over 2 metres high, we recommend an automated feeding system to deliver nutrients directly to each plant via the irrigation system. With this setup, maintaining your living wall becomes virtually effortless.

What can I grow on my walls?

Choosing the right plants for the right place is key to a successful living wall. While climbing plants have traditionally been used to green vertical surfaces, they're no longer the only option. With living louvres positioned at 137.5° (mounted troughs), you can incorporate a wide variety of herbaceous, alpine, and tropical plants, depending on the conditions.

As a general guideline, plants with a natural growth height of 60 cm or less work well, though larger species can also thrive with the right care and management.

Before making your plant list, consider the aspect of the wall and the region you're in. If you're unsure about plant selection, don't worry – we can connect you with our network of experts who will help you choose the varieties best suited to your space. Tap into our experience to create a planting plan that performs year after year and reflects your personal style.

Urban environments that breathe and participate by nature.



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How long will my walls live?

Plants within a vertical garden typically have a lifespan of 3 to 10 years, depending on the species used. The panels and components, however, are designed to last much longer, allowing for multiple replantings over time if needed. The planting units themselves are highly durable and come with a guarantee of 10 to 15 years. Just add water. Life springs forth.

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Can I really eat my walls?

Yes, edible walls are a great option if you are looking to grow your own food. Like other living wall systems, they can include a mix of edible and ornamental plants or be designed entirely as a vertical allotment to grow healthy salads, herbs, and vegetables. They are ideal for outdoor spaces and can also work indoors if light levels are sufficient.

Growing food on your walls means you can harvest your greens without bending down. It also helps reduce common pests and makes use of vertical space without competing for floor area.

Let Living Louvres teach you what buildings want to become.

If you would like to bring your walls to
life then Life on Walls would like to
make it happen for you

The Life on Walls head office is located in London but
we deliver and install our products anywhere
in the UK (or when necessary beyond).

If you would like to find out more about our work,
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