



**Bringing buildings to life**

[www.green-walls.co.uk](http://www.green-walls.co.uk)

## Green Walls

Our proven system uses a combination of high-quality stainless steel ropes, rods and mesh to create a structure that supports plant growth, providing an elegant, sustainable and cost-effective green wall solution.

Unlike modular systems, the **Jakob** system is lightweight, easy and fast to install, and supports new plants which are planted on site. Typically for a square metre of coverage, the system weighs only 20-30kg when planted.

Plants can either be grown up the green wall system or cascaded down, but in either case maintenance is simple and straightforward and is carried out at the planter level. Our systems not only offer a sustainable solution, but are also energy efficient in production. Our range accounts for very little embodied energy per square metre of building and the system is completely recyclable at the end of its useful life.



# Benefits

Green walls have long featured on the walls of buildings, although traditional 'ivy-covered' façades have now been replaced by modern, purpose-built systems, offering a wide range of benefits:

## Cleaner air

In urban areas, green walls can help improve local air quality by absorbing carbon dioxide, releasing oxygen and trapping dust and other pollutants.



## Graffiti deterrent

If graffiti is a potential problem, green walls can be an effective deterrent, making its application to the building structure almost impossible.

## Façade protection

Systems can help protect the façade of a building, extending its life by acting as an effective shield to weather and helping protect it from damaging UV light.



## Biodiversity

Green walls can help keep the local eco-system in balance by introducing and encouraging a variety of flora and fauna, including vitally-important pollinating insects.

# Limitless design possibilities

Green wall structures create unique designs even before schemes are fully-planted. The combination of steel rod, rope and Webnet provide elegant design options, giving additional texture to façades and providing strong shadow definition.

## Aesthetic improvement

Well designed and maintained systems significantly enhance a building's appearance, whether it's to add a new aesthetic dimension, disguise a car park, refresh a tired building or add colour and texture to a wall.

## Temperature regulation

Used on appropriate elevations, green walls can reduce energy costs by up to 30%, providing an additional layer of insulation in the winter (keeping heat in) and acting as a screen to the sun in the summer (keeping the building cool).

## Noise reduction

By adding a layer of insulation, green walls absorb sound, making a positive impact for the building's occupants and the local environment.



## Education

With ground level planting, these systems provide excellent educational opportunities when installed in schools.

## Wildlife habitats

With a strong base from the trellis and appropriate planting, green walls can provide an ideal habitat for new or displaced wildlife. We can supply new habitats for birds, bats, bugs and bees.

# St Dominic's school case study



Our green wall system was chosen to provide cover to St Dominic's school's new sports hall.

We supplied and installed a 550 square metre Jakob green wall, providing an excellent aesthetic solution as well as effective protection for the new building. Giving both shade and additional insulation, the system is delivering functional, cost and environmental benefits to the school.



The plants achieved full coverage just six months after installation.

## Service and support

Our product range is backed by a full technical support package to assist architects, developers and contractors in selecting the best system to meet their aesthetic and performance needs. We also provide a complete design, supply, fit and maintenance service.

### Design

We'll work with you from the initial design stages to ensure that the final solution meets all your project requirements. We offer design advice and budget costs on the most appropriate planting schemes and irrigation systems, taking into account:

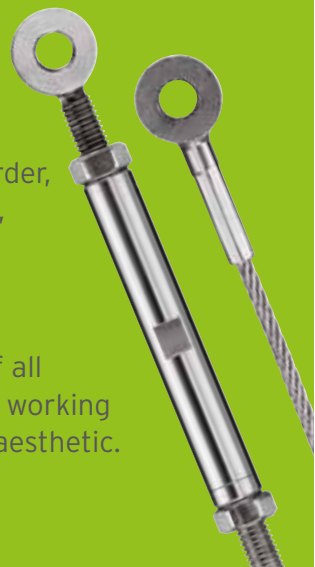
- the speed of growth and extent of coverage required
- soil and planting conditions
- building location and ongoing maintenance

### Supply

Although all components are manufactured to order, we achieve a very quick turnaround of deliveries, including plants and irrigation systems.

### Installation

Our experienced teams have installed systems of all shape, scope and complexity throughout the UK, working closely with the designer to achieve the perfect aesthetic.



# The complete solution

We are the UK's sole agent for **Jakob** and offer the broadest range of high-quality stainless steel architectural rope systems.

Manufactured in Switzerland to exacting quality standards, our range not only includes green wall systems, but also stainless steel ropes, rods and fittings and the Webnet stainless steel mesh system.



Proven high-quality, high-performance range of stainless steel ropes, rods and fittings.



Light, flexible and robust systems deliver improved car park safety and security.



High strength systems balance safety and viewing requirements for zoos and wildlife parks.



Strong, secure and elegant solutions to deter and safeguard against falls from bridges.



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