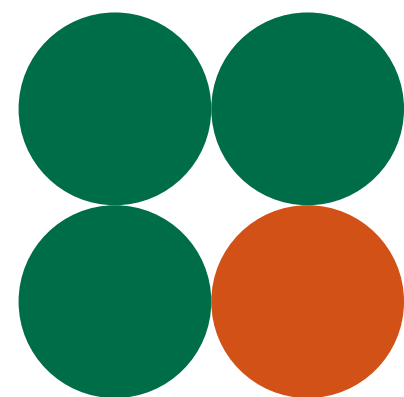




MOBILANE

BUILDING GREEN

BUILDING GREEN

Creating a green, healthy
and sustainable future

Ready-to-install green solutions
for gardens, buildings, landscapes
and infrastructure

WWW.MOBILANE.COM



FOREWORD

“Creating a green, healthy
and sustainable
future”

For generations, we have worked with plants. What began with my grandfather as a nursery was further developed and expanded by my father. Today, I have the privilege of building on that as the third generation. This legacy of knowledge, craftsmanship and dedication still forms the foundation of everything we do.

Over the years, the world has changed. Cities have become denser, the pressure on our living environment has increased, and the effects of climate change are becoming ever more visible. At the same time, awareness is growing that a healthy living environment is essential. Greenery plays a crucial role in this, not as decoration, but as a foundation.

Having grown up in this family business, I see how valuable that long-term vision truly is. Entrepreneurship is not just about today, but about what you pass on. The choices we make have an impact on the next generation. That requires responsibility.

The strength of Mobilane lies in connecting those generations with new insights, combining knowledge from the past with today's challenges. How do we make greenery a natural part of the built environment? How do we ensure that solutions are not only aesthetic, but also sustainable, scalable and effective?

The coming years will be decisive for how our living environment develops. The way we build, design and shape our surroundings calls for a different approach. Greenery should be an integral part from the very beginning, not an afterthought.

In this brochure, we show how that vision takes shape in practice. Not as an endpoint, but as part of an ongoing development. The conviction remains unchanged: a green living environment is not an ambition for the future, but a necessity for today.

Alexander IIsink

Third generation and owner of Mobilane





MOBILANE

In 2000 Mobilane first opened its doors in The Netherlands, as part of the Darthuizer Group - a family-owned business with three subsidiaries: Darthuizer Nursery, Oase-Lease and Mobilane. The Darthuizer Group has been providing quality and innovation for 100 years. Mobilane is a specialist in developing and marketing instant indoor and outdoor landscaping systems.

INTERNATIONAL

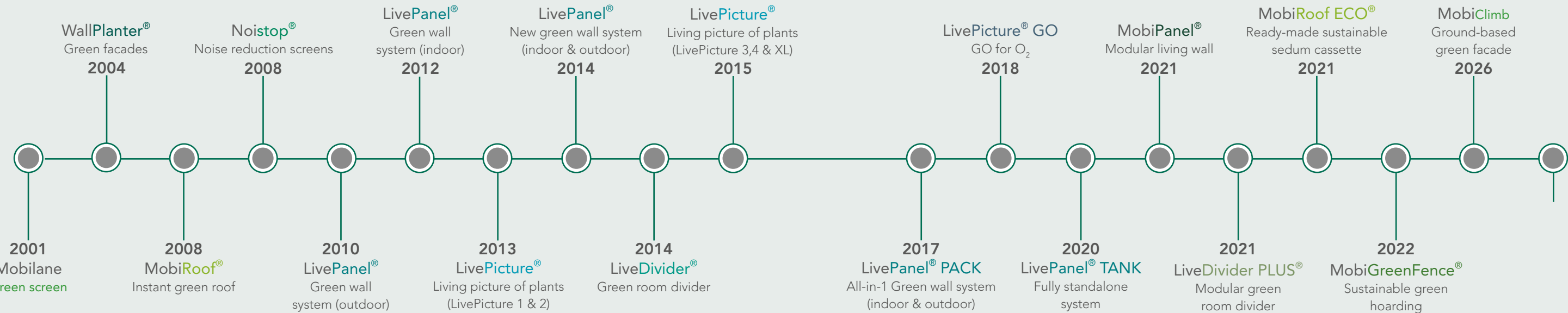
Experience, innovation and passion form the basis for its success, enabling Mobilane to compete the global market. Mobilane has offices in The Netherlands, Germany, Belgium, Hungary, South Africa, Hong Kong and the United States. In collaboration with agents and dealers across more than 35 countries, Mobilane LiveProducts are available and accessible for everyone worldwide.

MOBILANE OFFICES WORLDWIDE

- The Netherlands
- Belgium
- Great Britain
- Germany
- South Africa
- Hong Kong
- Canada
- Spain
- Argentina



PRODUCT DEVELOPMENT





WE CARE

It's all about creating a better world. And that's why we include Corporate Social Responsibility (CSR) goals into our strategies, plans and processes.

GREEN ENERGY

We work with different climate zones in our greenhouses. This way, we don't waste energy. The climate zone we use for the young plants is heated with a mix of renewable energy sources. To do this, we partner with NEXTgarden, a neighbouring collective energy garden. Together we are committed to creating a climate-neutral horticultural production area. All great initiatives, from harnessing wind and solar energy, to energy storage and the connection of our nursery to this sustainable heat network.

CIRCULAR WATER SYSTEM

To water our plants, we use harvested rainwater from a pond on the nursery. We use this water for our closed cultivation system. Excess water not absorbed by the plants during irrigation is collected and reused. This collected water is cleaned by a UV filter to prevent the spread of potential bacteria and disease and is stored in our outdoor reservoir. This way, we do not waste water and continue to reduce our water footprint.

NATURAL PESTICIDES

In our glasshouses, we use biological control. This means that any harmful pests are combatted by their natural enemies. The controls we use have been fully tested for safety and effectiveness and do not harm the environment.

SOCIAL IMPACT

One of our goals is to manage our business with a social conscience. Our production nursery provides employment locally to over 200 colleagues, giving each of them regular and rewarding work in their local community.

BIODIVERSITY

The world thrives and survives with an enriched biodiversity. All our outdoor products make a positive contribution to the biodiversity in their vicinity in which they are installed. Plant varieties and ecosystems ensure a better quality of air with the production of oxygen, encouraging pollination of plants, helping filter clean water, enriching fertile soil and maintaining a stable climate.



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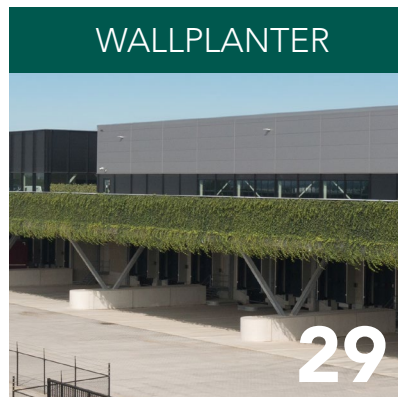
MOBIROOF ECO



MOBIPANEL



WALLPLANTER



MOBICLIMB



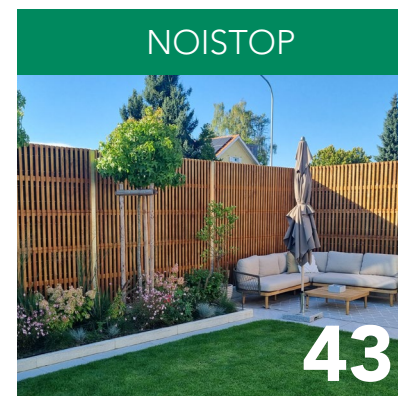
DNA INSECTSCAN



NESTING & BEE BOXES

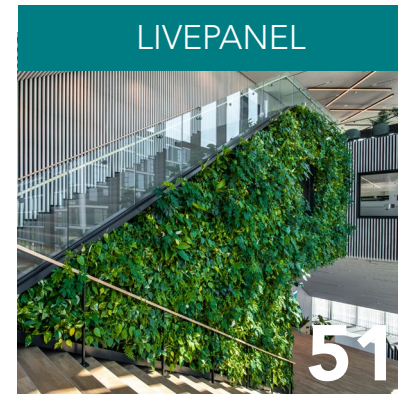


NOISTOP



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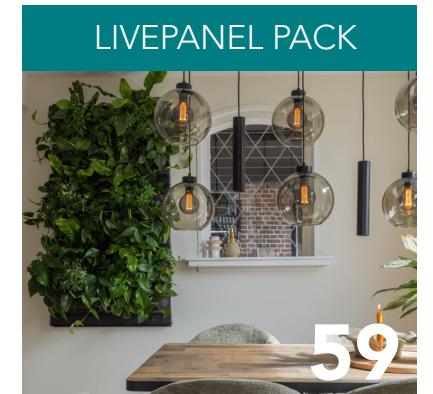
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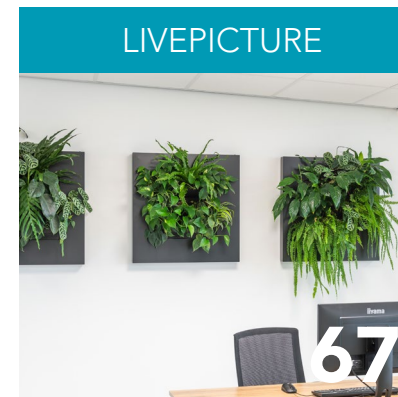
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LIVEDIVIDER PLUS



LIVEPICTURE



LIVEPICTURE GO



LIVESPECTRUM





OUTDOOR



Mobilane® Green Screen

Privacy is important for many people. When planting a green hedge as divider, several years patience is needed until the hedge offers the densest cover. Mobilane's Green Screen eliminates the wait as individual panels can be installed for an instant, densely planted hedge that looks like it has been established for many years!

BIODEGRADABLE ROOT BALL

This patented Mobilane system comprises a metal grid that is entirely covered with vegetation. These plants are planted in compost in a root ball of biodegradable coco fibres, which is attached to the bottom of the metal grid. The root ball is made from coconut fibres held together by natural latex. After planting the Green Screen, the entirely organic planter degrades within one to two years and the plants will root in the surrounding subsoil.

Green Screens can be planted throughout the year, except during frost periods. The hedges may be attached to either iron or wooden posts using specially designed brackets. Not everyone wants the same hedge, which is why Mobilane supply different types. This helps create variation with different types of plants, colours and heights.

Instant Green Screen



As the Green Screen comes in different versions, it can be used as divider in various ways, including creating garden rooms, separating patios, swimming pools or car ports. Green Screens can disguise bins and refuse areas. A Green Screen also looks great in a wooden container on balconies. In short, the possibilities are endless. There are even hedges of 220 cm and 300 cm high to offer even greater privacy.

GREEN SCREEN BENEFITS

- Instant privacy and greenery result
- Easy and fast to install
- Contributes to biodiversity
- Contributes to a healthy environment
- Improves air quality
- Reduces fine dust with 40 - 60%
- Contributes to the greening of urban areas

UNIQUE FEATURES

- Fully grown
- Available in different heights and types
- Certified sustainable production
- Can be planted throughout the year, except during frost periods
- Root ball of biodegradable coco fibres
- Environmentally friendly
- High-quality fencing with 10 - year guarantee

Easy and fast to install

MOBILANE GREEN SCREEN SPECIFICATIONS

Product	Size (w x h)	Accessories
Green Screen	120 x 100 cm, 120 x 155 cm, 120 x 180 cm, 120 x 200 cm, 120 x 220 cm, 120 x 300 cm	Iron and softwood posts, brackets, grid extensions, garden doors, wooden planters

RANGE



Hedera helix 'Woerner'



Hedera helix 'Glacier'



Hedera helix 'Goldchild'



Hedera helix 'Green Ripple'



Hedera helix 'White Ripple'



Hedera hibernica



Carpinus betulus



Pyracantha 'Dart's Red'



ECO



Trachelospermum jasminoides



Elaeagnus ebbingei

- EVERGREEN
- ◐ SEMI-EVERGREEN
- NOT EVERGREEN

ADVICE

- The planting trench should be 40 x 40 cm. No water should pool and the subsurface drainage must be good.
- In virtually all cases, it is necessary to improve the soil before placing the Green Screen elements. This depends on local ground and site conditions. Soil fertilisation is also required immediately after planting.
- Make sure the root ball is not hindered by obstacles (e.g. pieces of concrete, rubble or other obstructions). A small, restricted root ball can result in plant damage, particularly during extreme heat or frost conditions.
- Make sure there are no underground pipelines, cables, constructions or foundations that can be damaged when digging the site.
- The hedge should not be planted at too great a depth as it can 'drown' if rainwater cannot drain away sufficiently.
- The hedge elements may also not be placed at the highest point as these could dry out if all the rainwater runs off.



PRODUCT CATALOGUE



WOODEN
POST
59 X 59 X 2750 MM



IRON
POST
Ø48MM X 1750 MM
Ø48MM X 2600 MM
Ø48MM X 3000 MM

GREEN SCREEN
ECO
120 X 180 CM
EAN: 8718819890287

GREEN SCREEN
ECO
120 X 155 CM
EAN: 8718819890300



UNI
BRACKET
FOR WOODEN POST
GALVANISED



WALL
BRACKET
GALVANISED



END
BRACKET
IRON POST
POWDER-COATED



MIDDLE
BRACKET
IRON POST
POWDER-COATED



WOODEN
PLANTER
144 X 40 X 40 CM
144 X 60 X 50 CM



CORTEN STEEL
PLANTER
134 X 55 X 52 CM



SET OF
WHEELS
FOR WOODEN
PLANTER



EXTENSION
GREEN SCREENS
120 X 25, 50, 75, 100
125, 150 OF 175 CM



HEDERA HELIX
'WOERNER'
120 X 100 CM
EAN: 8718819891017



HEDERA HELIX
'WOERNER'
120 X 180 CM
EAN: 8718819891000



HEDERA HELIX
'WOERNER'
120 X 200 CM
EAN: 8718819899969



HEDERA HELIX
'WOERNER'
120 X 220 CM
EAN: 8718819891024



HEDERA HELIX
'WOERNER'
120 X 300 CM
EAN: 8718819899952



TRACHELOSPERMUM
JASMINOIDES
120 X 180 CM
EAN: 8718819890980



HEDERA HELIX
'GLACIER'
120 X 180 CM
EAN: 8718819891048



HEDERA HELIX
'GOLDCHILD'
120 X 180 CM
EAN: 8718819891055



HEDERA HELIX
'GREEN RIPPLE'
120 X 180 CM
EAN: 8718819891062



HEDERA HELIX
'WHITE RIPPLE'
120 X 180 CM
EAN: 8718819891031



ELAEAGNUS
EBBINGEI
120 X 180 CM
EAN: 8718819890263



ELAEAGNUS
EBBINGEI
120 X 155 CM
EAN: 8718819891307



CARPINUS
BETULUS
120 X 155 CM
EAN: 8718819891086



PYRACANTHA
'DART'S RED'
120 X 155 CM
EAN: 8718819890997





MobiGreenFence®

The appearance of building sites in urban areas, creating sustainable construction sites and event sites, and the satisfaction of those affected (local residents, passers-by and shopkeepers) are becoming increasingly important. MobiGreenFence is playing its part by helping construction sites blend into the environment more naturally. This sustainable green site fencing immediately creates a barrier with a green appearance on construction sites, at events, etc. It can be used separately or in combination with traditional construction site fencing.

BIODIVERSITY AND AIR QUALITY

Besides its green, sustainable appearance, MobiGreenFence stimulates local biodiversity. Hedera helix 'Woerner' provides living space and shelter for numerous insects and birds. It also improves local air quality by capturing particulate matter.

SOCIAL RETURN

In tenders, contracting authorities often require that a percentage of the contract sum is spent on people distanced from the labour market. This is known as social return on investment (SROI). MobiGreenFence is produced by people distanced from the labour market, so it boosts social return and corporate social responsibility (CSR).

MOBIGREENFENCE BENEFITS

- Instant green appearance
- Stimulates biodiversity
- Contributes to a healthier environment
- Improves air quality
- Captures 40 - 60% of particulate matter
- Provides greenery around construction sites, events and in other temporary fencing
- Plants require little care thanks to water reservoir

UNIQUE FEATURES

- Social Return
- Circular, reusable and recyclable
- Completely covered with greenery
- Grown locally with sustainability certification
- Green on both sides
- High-quality fencing
- Can be linked to standard construction site fencing

Sustainable green hoarding

Sustainable green construction site fencing



MOBIGREENFENCE SPECIFICATIONS

Product	Size (w x h x d)	Height	Weight
MobiGreenFence	The size of the planter is 123.5 x 62 x 51 cm (L x W x H).	The standard hedge in the planter is 180 cm high. The total height of an element including hedge is 235 cm.	Ca. 220 kg (maximum saturated condition)

MOBIGREENFENCE FEATURES

- To prevent too much water remaining in the planter (e.g. during torrential rain), each planter is also equipped with drainage. Besides draining off excess water, this drainage ensures a supply of oxygen to the plant roots.
- The planter is made of black PE100 (polythylene). PE100 is resistant to sunlight (UV radiation) and other weather influences, and can be left outside permanently. The metal grid is made of galvanised steel. The planter and metal grid are reusable and fully recyclable. MobiGreenFence can optionally be supplied with extra plants, cover plates or birdhouses.

ADVICE

- MobiGreenFence can be easily placed on location by a forklift or pallet truck. The two brackets on each side of each element can be used to connect MobiGreenFence elements to each other, or traditional construction site fencing.
- Hedera helix ‘Woerner’ is a hardy evergreen hedge plant, and relatively easy to care for. It simply needs watering (in winter once every 6-8 weeks, in summer once every 2 weeks) and pruning.





MobiRoof ECO[®]



MobiRoof ECO is a ready-made green roof system that consists of a plant cassette filled with substrate and is available with 6 to 8 different types of sedum. The sedum looks absolutely fantastic, and increases biodiversity on the roof thanks to the different heights, flowering periods and colours of the sedum.

READY-MADE CASSETTE

The unique, lightweight cassette system is already densely full of plants when supplied. The substrate in the cassettes fulfils multiple tasks; it acts as a growing medium, and regulates moisture by draining and storing water. The cassettes are simply placed against each other to create an instant green roof. MobiRoof ECO is an extensive green roof system suitable for flat roofs and roofs at an angle of up to 10 degrees (20%) and the cassettes can always be moved to a different location.

A SUSTAINABLE GREEN ROOF FOR A GREEN FUTURE

MobiRoof ECO is a circular green roof system. The cassette is made of recycled material and fully recyclable. This reduces environmental pressure and reduces waste flow. The cassettes are pre-grown locally with cuttings from our own nursery.



MOBIROOF ECO BENEFITS

- Collection and buffering of rainwater
- Contributes to biodiversity
- Insulating and sound-absorbing effect
- Extends the life of the roof
- Aesthetic value
- Increases the value of real estate
- Increased efficiency of solar panels
- Eligible for subsidies and tax breaks

UNIQUE FEATURES

- Ready-to-use cassette
- Lightweight green roof system
- Ready for use as roof cover
- Easy to install and replace
- Water retention of 20 litres per m² (optional 40 litre per m²)
- Sustainably and locally produced
- Circular, recycled and fully recyclable
- Low maintenance
- Can be used on both flat and slightly sloping roofs

A green roof is super easy



Sustainable and circular green roof system

MOBIROOF ECO SPECIFICATIONS

Product	Size (w x h x d)	Retention capacity	Weight
MobiRoof ECO	50 x 50 x 6 cm (= 0.25 m² = 4 cassettes per m²)	Approx. 20 litres per m² (optional 40 litre per m²)	Approx. 38 kg per m² dry and approx. 58 kg per m² fully saturated



ADVICE

- The outer edges of the roof and around skylights and drain pipes, for example, should be finished with gravel in order to enhance the microclimate and prevent wind from getting under the cassettes.
- The Mobiroof ECO system is suitable for both flat roofs and roofs with a slight slope angle of up to 10 degrees (20%), in principle without any additional facilities.
- If root-suppressant roofing is not used on the roof, a root-suppressant breather membrane should be applied before installation.
- Maintenance should be carried out once or twice a year, consisting of:
 - A general check: Remove weeds and seedlings from trees and shrubs.
 - Watering: Under extreme drought conditions irrigation is recommended.
 - Pruning: September is the best month for pruning, as most bees will have completed their life cycle. Smaller cuttings can be left on the roof, but larger cuttings should be removed.
 - Phased pruning: Various useful species of animal live on and in a green roof, so to avoid excessive disturbance it's best to prune in phases. Prune the green roof one strip or area at a time, and leave an area uncut (15 to 30%). A few weeks later, prune this last area.
 - Fertilising: To keep the plants healthy, green, and dense, fertiliser is required. It stimulates soil fertility and contains nutrition for the plants. Fertiliser only needs to be applied once or twice a year in the spring and autumn.





MobiPanel®

MobiPanel is an innovative, sustainable and lightweight system for living walls in existing buildings and new development projects. The latest generation in vertical green from Mobilane, specially developed to make future-proof and sustainable construction even more accessible. This unique modular system, with its interchangeable plant cassettes in two sizes, makes it possible to give a sustainable and vibrant appearance to both flat and curved walls.

CLIMATE-PROOF CONSTRUCTION

Both existing and new outer walls with various surfaces can easily be greened using MobiPanel. This not only looks wonderful but also contributes to greater biodiversity, while purifying the air and controlling heat. An outstanding system for sustainable building, climate-proof construction and creating a healthy and attractive living environment.

UNLIMITED AREAS OF APPLICATION

The modular system offers infinite options for use. The corrosion-resistant profiles can be installed both horizontally and vertically, depending on the format and layout of the backing wall. The profiles provide the bearing structure for the plant cassettes measuring 40 x 40 cm and the quarter cassettes (pixels) of 20 x 20 cm.

SPACE FOR PLANTS

The plant cassettes are fitted with two spacious slots for plants of varying size. MobiPanel as a result lends itself to a broad range of plants, whether pre-grown or planted on site. The plants take up water from the internal water buffer via capillary microfibre textile. An automated irrigation and drainage system ensures an even supply of water and efficient water consumption.



MOBIPANEL BENEFITS

- Contributes to greening the living environment
- Boosts air quality by absorbing fine dust and generating oxygen
- Contributes to biodiversity
- Raises property values
- Insulating and sound-dampening effects
- Captures rainwater
- Provides an immediate green effect

UNIQUE FEATURES

- Suitable for flat and curved walls
- Suitable for various wall types including certain types of sandwich panels
- Interchangeable plant cassettes in two sizes (40 x 40 cm and 20 x 20 cm)
- Economical water consumption
- Complies with fire classification B-s2, d0
- Reusable and fully recycable
- Equipped with automated irrigation and drainage system
- Lightweight and space-saving
- Modular system
- Easy to install on new and existing outer and inner walls

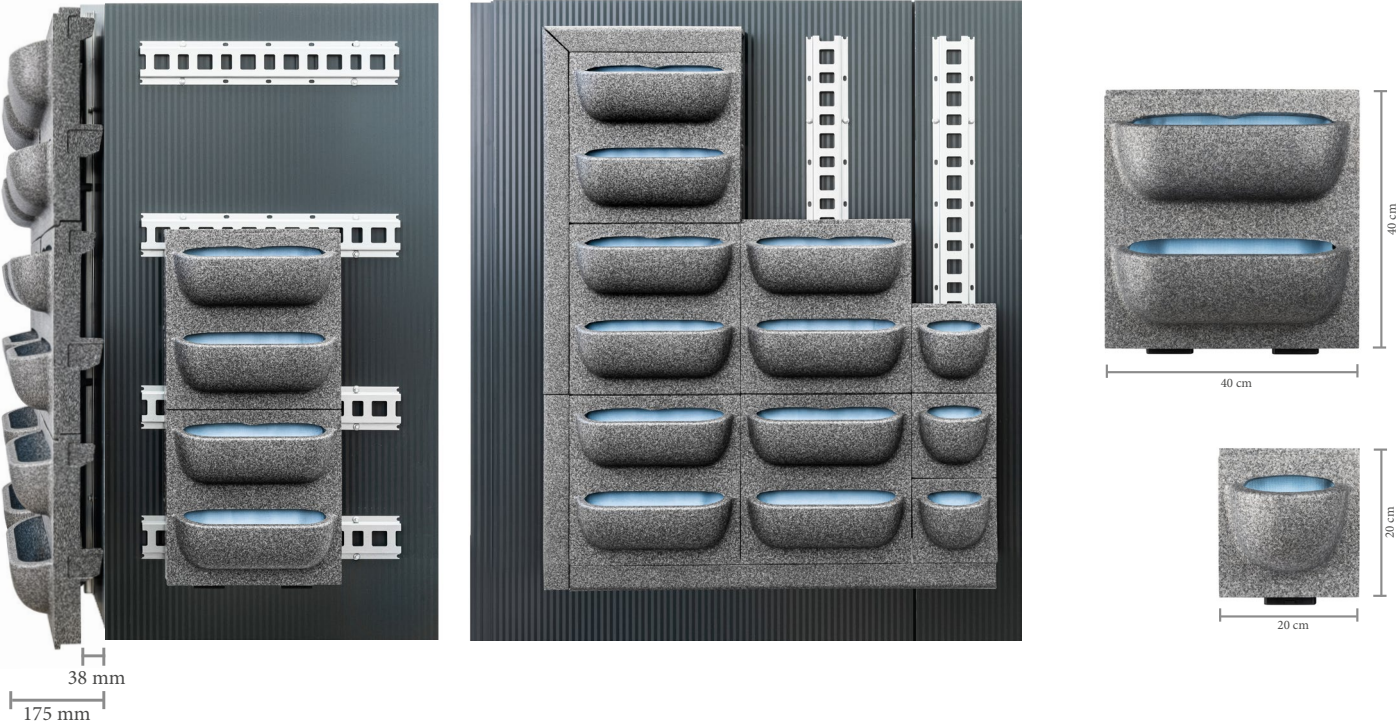


For a sustainable and climate-proof future

Creates green facades quick and easy with an innovative and modular system

MOBIPANEL SPECIFICATIONS

Product	Size	Cassettes	Weight (incl. plants and water)
MobiPanel	Can be made in any size	The system is made up of cassettes measuring 40 x 40 cm and pixels of 20 x 20 cm	Maximum system weight when fully planted: 40 kg/m ²



CHARACTERISTICS

- The cassettes are mounted on the backing wall with omega profiles of Magnelis steel. These are exceptionally resistant to corrosion and can be used both horizontally and vertically on many types of backing wall, including certain types of sandwich panels. This provides space for passing water pipes and electricity cables through with ease.
- Proper ventilation of the outer wall is ensured by the gap of 38 mm between the rear of the cassettes and the backing wall.
- The omega profiles and covers have a are of standard size of 120 cm for efficient transport. They can be custom-made for large projects.

RECOMMENDATION

It is recommendable to involve Mobilane as early as possible in the design and construction process to ensure optimal design for the technical requirements, such as the irrigation system and the piping and cabling.





WallPlanter®



Mobilane has been using the Mobilane Green Screen in green wall projects since 2002. These activities led to the development of the WallPlanter system: A sustainable system for green walls, both for existing buildings and new constructions. The system comprises of specially developed planters with hedges that are fixed to a wall, giving the building a natural look.

INSTANT GREEN

WallPlanter green wall offers a green result immediately after installation. The basic element is an aluminium planter into which fully grown Mobilane Green Screens are planted. These planters are fitted to the building's facade, enhancing buildings such as multi-storey car parks, hotels or office blocks.

LOW MAINTENANCE

The WallPlanter green wall system has a smart, automated irrigation and drainage system to provide the screens with water and nutrients, making it very low maintenance. As you would imagine, the introduction of a green wall to an area instantly improves the surroundings and its visual impact.



WALLPLANTER BENEFITS

- Contributes to the greening of urban areas
- Contributes to a healthy environment
- Contributes to biodiversity
- Contributes to a healthy environment
- Increase in value for real estate
- Insulating effect
- Prevention of graffiti

UNIQUE FEATURES

- An instantly dense façade zone, available up to 3 metres high
- Equipped with automatic irrigation system
- Fully grown
- Low water consumption
- Reduces fine dust by 40 - 60%
- Fully recyclable
- Low maintenance
- Double-sided greenery (on multi-storey car parks)



Green wall with Green Screens in planters

Instant green wall with WallPlanter

WALLPLANTER SPECIFICATIONS

Product	Size (w x h x d)	Height	Weight (incl. plants and water)
WallPlanter	Standard planter 50 x 50 x 390 cm*	Hedges in planters are up to 220 cm high. Total height of element (incl container and support points) = 285 cm	Approx. 140 kg per m ² green wall surface**

* Other lengths (260 cm, 130 cm and customised dimensions) are available.

** The total weight of a standard 390-cm-long container with 220-cm-high Green Screen hedge element is 1,450 kg (when fully saturated). This equates to a weight of approx 140 kg per m² green wall surface.

WALLPLANTER FEATURES

- Each plant container is provided with water and nutrients via an irrigation system.
- To prevent too much water in the container, for example during downpours, each container is provided with drainage outlets. As well as drainage for excess water, this offers an inlet for oxygen to reach the plant roots.
- The planters are manufactured from high-quality aluminium and have an insulated layer on all sides and a drainage layer on the base.

ADVICE

- The weight of the WallPlanter elements requires a robust load-bearing construction. Depending on the strength of the facade and foundations, this load-bearing construction can be fixed to the facade or can be placed on the ground. A crane is used to install the planters on site onto the load-bearing construction.
- A frost-free technical area is required of at least 4 m² for the supply of water and nutrients. Ideally, this technical area should be close to the green wall.

AVAILABLE COLOURS

The planters are delivered as standard in an aluminium colour, but can be delivered in any RAL colour if required.





MobiClimb



MobiClimb provides a strong and immediate foundation for ground-based green facades. Thanks to MobiClimb, the first zone of the facade is instantly fully green, after which the planting continues to grow upwards naturally, optionally in combination with additional climbing support systems. The pre-grown plants have a well-developed root ball from day one, ensuring a high success rate and rapid growth. The freestanding climbing support prevents damage to the facade and gives the plants optimal space to develop.

DIRECTLY A STRONG GREEN FOUNDATION

With MobiClimb, the first section of the façade is delivered fully covered, available in heights from 1.8 to 3 metres. This provides an instant green result without waiting time. From this strong and healthy base, the planting can easily be combined with all common climbing systems on the market, such as stainless steel cable systems and mesh structures. This creates an immediate green result, after which the façade continues to close naturally. An integrated irrigation system supports growth and contributes to healthy and even plant development. This makes MobiClimb suitable for both new-build and renovation projects.

SUSTAINABLE, RELIABLE AND EFFICIENT

As the plants grow directly from the ground, MobiClimb is a sustainable and future-proof solution. The pre-grown hedge provides a strong foundation from the outset, with a high success rate and rapid greening of the facade. Maintenance is limited to approximately twice a year, consisting mainly of pruning and guiding the growth. In combination with a smart irrigation system, which can easily be connected to rainwater, this creates an efficient and environmentally friendly solution with low maintenance costs.

MOBICLIMB BENEFITS

- Instant green facade base without waiting time
- Strong, pre-grown plants with a high success rate
- Ideal to combine with existing climbing support systems
- Enhances biodiversity and the living environment
- Improves air quality and captures fine particulate matter (40–60%)
- Contributes to natural insulation and cooling
- Suitable for both new-build and renovation projects
- Quick and efficient to install

UNIQUE FEATURES

- An instantly dense façade zone, available up to 3 metres high
- Flexibly extendable with climbing support systems
- Strong root development from day one thanks to pre-grown plants
- Freestanding climbing support structure, separate from the facade
- Sustainably and certified grown
- Integrated irrigation system (optional with rainwater use)
- Low maintenance requirements (approx. twice per year)
- Can be installed year-round (except during frost periods)
- High-quality fencing with a 10-year guarantee



An instant strong green foundation,
compatible with any climbing system.

Freedom in design,
certainty in greening.

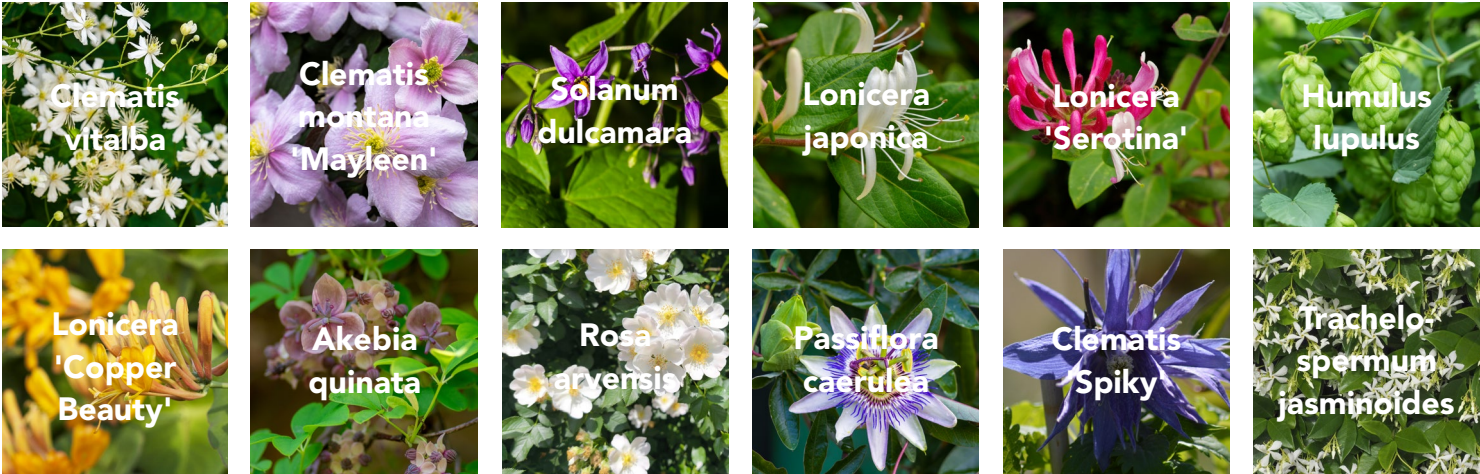


MOBICLIMB SPECIFICATIONS

Product	Size (w x h x d)	Height
MobiClimb	Hedge standard width of 120 cm and installed 9 cm from the facade	Maximum height of 620 cm achievable with MobiClimb

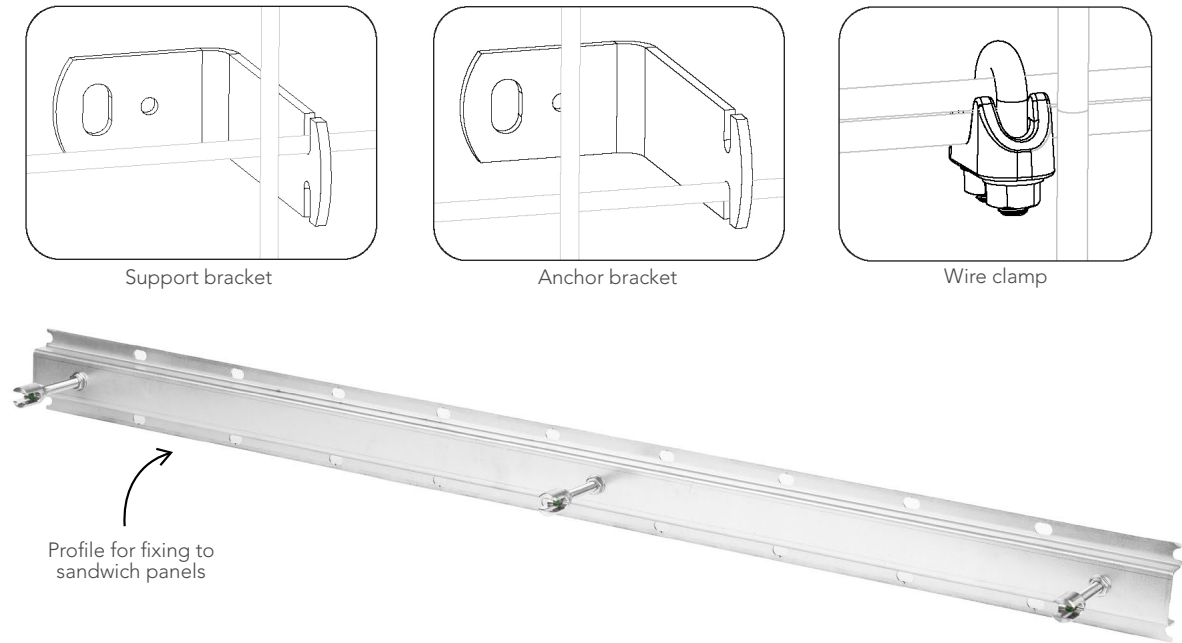
RANGE

In addition to the range shown below, we can also pre-grow other desired climbing plants. This ensures that the MobiClimb system always aligns with the desired appearance, application and biodiversity goals of your project.



TAILORED FIXING FOR EVERY FACADE

The fixing system of MobiClimb is adapted to the type of facade, ensuring safe and durable installation. Depending on the substrate, suitable fixing solutions are used, such as brackets or specially developed profiles. The system can also be easily combined with other climbing support systems, making it flexible for different facade heights and designs. This ensures a reliable and well-considered solution for every facade.





DNA InsectScan

Mobilane introduces the DNA InsectScan for living walls in collaboration with SGS Search. A new unique and innovative method to measure the effectiveness of living walls for biodiversity. The DNA InsectScan for living walls by SGS Search is an innovative and useful tool to keep track of those changes through the utilization of insect environmental DNA (eDNA) due to its sampling simplicity, low processing time, accuracy and sensitivity to asses insect communities when compared with traditional biodiversity surveys.

EXCLUSIVE COLLABORATION: MOBILANE X SGS SEARCH

SGS Search is an international engineering firm, consultancy firm, laboratory and training institute for (sustainable) built environment. With their environment as inspiration, they create a sustainable future. A mission shared by Mobilane. With the InsectScan our clients can now monitor and verify the enhancement in insect species richness. In this way we contribute even more to a green future for the next generations.

DNA INSECTSCAN BENEFITS

- Monitor biodiversity effectively and at any scale
- Ease of sampling
- Quantify success of biodiversity restoration actions in urban and natural environments
- Determine the ecosystem services of your living wall
- Monitor environment impact through indicator species
- To be used as part of ESG reporting

THE DNA INSECTSCAN REPORT CONSIST OF THE FOLLOWING PARTS:

- Introduction, scope of work and description of methodology
- Sampling Plan & Protocol
- Overview insect species identification (Taxa List) with various tables, plots, statistics and other data
- Visual species overview
- Detailed sampling tables

Monitoring biodiversity

Insects of crucial importance



HOW DOES IT WORK?

Environmental DNA (E-DNA) is the genetic material released by an organism into the environment. The sources are numerous and include shed skin and hair, body secretions, faeces, seeds, pollen. By deploying molecular techniques, E-DNA can be captured, amplified and/or sequenced to identify the recent presence, relative abundance and/or distribution of a given species or whole communities.

Samples for E-DNA analysis can come from anywhere but for our InsectScan we focus on vegetation samples. By sending us leaves, flowers and branches from the living wall after pruning we can determine which insect species were present in that area. The technique is non invasive and very sensitive, allowing for the detection of almost all insect species, even those that are very small or difficult to identify visually. E-DNA has revolutionized our ability to analyse biodiversity at a fraction of the time it costs to conduct conventional ecological monitoring.

WHY A DNA INSECTSCAN FOR LIVING WALLS?

We know that plants and soil in living walls contribute to biodiversity. But what is the real positive effect of green façades for insects? With the Mobilane DNA InsectScan for living walls, it is possible to express the positive effect of living walls on biodiversity in numbers. A unique way to easily measure biodiversity in a scientific way. This data is transparent and can be used in annual reports and sustainability reports for internal users and stakeholders. The DNA InsectScan for living walls can contribute to sustainability certificates such as BREEAM certification.

WHY IS BIODIVERSITY IMPORTANT

Insect populations are falling at an alarming rate. With several studies reporting losses of 40%. The situation is very critical as insects are vital for the functioning of ecosystems. Without them humans are in serious trouble. Insects pollinate flowers and plants and thus partly ensure the reproduction of the flora. They are a food source for other animals like birds, fish and spiders. If there are no more insects on the planet, humans will also lose the plants and their food





NESTING & BEE BOXES

Insects like bees are essential to our biodiversity. They play a crucial role in the pollination of our nature and contribute to the reproduction and development of our flora. The plants and flowers that grow as a result provide food and shelter to other animals, including humans. A professional bee hotel or nesting box provides a safe nesting, resting, and overwintering place.

PROFESSIONAL AND SUSTAINABLE

The nesting boxes and bee hotels are made in a social workplace using sustainable Dutch Douglas wood. All nesting boxes and bee hotels comply with the guidelines of BIJ 12. These boxes are perfectly suitable for meeting the requirements of the Nature Conservation Act or for use in achieving BREEAM certification, which requires the placement of nesting boxes.

PLACEMENT ADVICE

The nesting boxes and bee hotels can be placed in or around all outdoor products from Mobilane. Each box should be assessed to determine the best location. Consider factors such as building orientation, rain exposure, height, wind and sun. For example, bee hotels should be hung in a sunny but primarily wind-free location, up to a maximum height of two meters, preferably in a flower-rich environment. On the other hand, nest boxes should be hung in a quiet spot, allowing birds to feel safe and enter comfortably. Avoid placing nest boxes in direct sunlight; instead, provide shelter from the wind and space them apart. Nest boxes should be placed at a minimum height of two meters, while swift and bat boxes should be positioned at a minimum height of three meters

Sustainable and social return



RANGE



Bee Hotel - House



Bee Hotel - Square small



Bee Hotel - Square medium



Bee Hotel - Square large



Bee Hotel - Honeycomb



Bat box



Swift box



Sparrow box

BREEAM certification



Noistop®



Noise nuisance is a growing frustration for private individuals and local authorities. Noise from busy roads alongside homes and commercial premises can be solved instantly with Noistop® by ROCKWOOL®, a noise-reducing screen.

MODULAR

Noistop® noise-reducing screens are unique - not only do they obstruct noise, they absorb it. This significantly reduces environmental noise. The noise-reducing barrier is constructed of modular panels with a core of compressed rock wool. This construction provides extremely high insulation values.

NOISE POLLUTION

Noistop® can be used in various applications. As fencing it offers immediate privacy, safety and, of course, peace and quiet. The screens are effective in high noise areas, next to railways, near play areas or along busy highways - endless possibilities. Noistop® noise reducing screens are available in three types: Essential, Wood and Steel.



NOISTOP® BENEFITS

- Immediate peace, privacy and safety
- Noise reduction separation
- Environmentally friendly application
- Can also be supplied in combination with a fully grown Mobilane Green Screen

UNIQUE FEATURES

- Significant noise reduction and absorption
- Choice of various types and dimensions
- Easy and quick installation
- Made from durable natural stone wool
- Maintenance free
- Narrow design
- Expected service life of at least 20 years
- Fully recyclable

Noise-reducing wall

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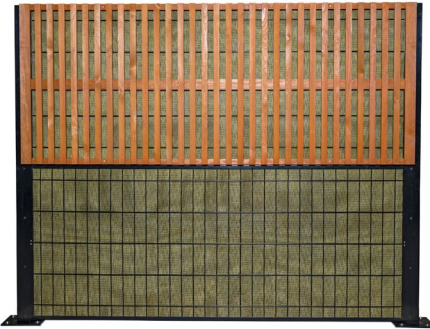
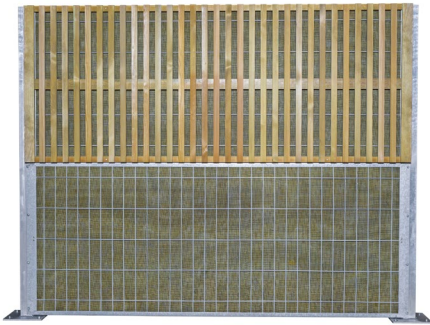
Noise-reducing screens for peace, privacy and safety

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NOISTOP ESSENTIAL® SPECIFICATIONS

Product	Dimensions/panel	Sound insulation	Sound absorption	Weight
Noistop® Essential	240 x 100 cm, 120 x 100 cm, 240 x 90 cm, 120 x 90 cm, 240 x 50 cm, 120 x 50 cm, 60 x 100 cm, 60 x 90 cm, 60 x 50 cm	DLR = 18dB(A) = class B2*	DLα = 9 dB(A) = class A3*	Approx 23 kg/m ² + 6 kg/m ² for wooden cladding



NOISTOP® ESSENTIAL FEATURES

Noistop® Essential provides a modern look and has a slender construction. It offers unlimited design freedom and a customisable look. Noistop® Essential can be installed with or without wooden cladding. The wooden cladding, available as an accessory, can be easily mounted onto the module using a simple fixing technique and is available in a natural or a warm brown painting.

- Can be customised on-site
- Slender construction: 6 cm deep
- Accompanying wooding cladding and doors available
- Available directly from stock

Different sizes and other colours are available on request.

*This result depends on the height and length of the installed noise fence, as well as its location in relation to the noise source and the receiver.



NOISTOP® WOOD SPECIFICATIONS

Product	Dimensions/panel	Sound insulation	Sound absorption	Weight
Noistop® Wood	200 x 100 cm, 100 x 100 cm, 200 x 90 cm, 100 x 90 cm, 200 x 45 cm, 100 x 45 cm	DLR = 21 dB(A) = class B2	DLα = 11 dB(A) = class A3	Approx. 24 kg/m²



NOISTOP® WOOD FEATURES

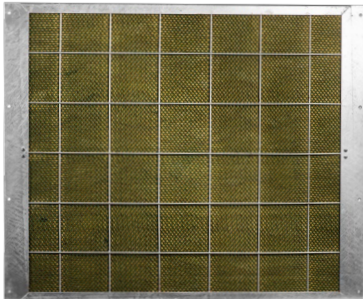
Noistop® Wood has a rock wool core and is finished with latticework of impregnated wood, combined with aluminium strips and a wire meshing of black polyethylene.

- Slender construction: 17 cm deep
- Provided with flanges on the side for simple installation
- Accompanying cover plates and doors available
- Delivery times and conditions are on request.

Different sizes, finishes without flange and other colours are available on request.

NOISTOP® STEEL SPECIFICATIONS

Product	Dimensions/panel	Sound insulation	Sound absorption	Weight
Noistop® Steel	200 x 100 cm, 100 x 100 cm, 200 x 90 cm, 100 x 90 cm, 200 x 45 cm, 100 x 45 cm, 300 x 60 cm	DLR = 22 dB(A) = class B2	DLα = 8 dB(A) = class A3	Approx. 24 kg/m²



NOISTOP® STEEL FEATURES

Noistop® Steel has a green polyethylene meshing and a core of compressed stone wool in between galvanised steel framework. Noistop® Steel can also be delivered fully covered by a Mobilane Green Screen.

- Can be customised on-site
- Slender construction: 11 cm deep
- Provided with flanges for simple installation
- Accompanying cover plates and doors available
- Delivery times and conditions are on request.

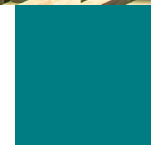




INDOOR



LivePanel®



The patented LivePanel system is a unique and innovative vertical green wall. These “living walls” encompass real living plants, adding natural greenery to work and living spaces and helping to create a healthier, happier indoor climate.

MODULAR GREEN WALL SYSTEM

The LivePanel system transforms otherwise bare walls into attractive vibrant backdrops. LivePanel is a modular green wall system with exchangeable plant cassettes. The cassettes have slots into which plants are placed. Each row of plant cassettes is placed in a gutter profile that also serves as a water reservoir. The plants absorb water from the reservoir through capillary action. The system can be installed against both new and existing walls.

VERTICAL GREEN

LivePanel can be used in a multitude of vertical greenery scenarios. The customer can create their green wall to suit, both in terms of design, layout and plant choice. LivePanel is simple to install on many types of walls. The green wall brings an extra dimension to a room, is easy on the eye yet striking and a real talking point for any interior.



LIVEPANEL BENEFITS

- Vertical greenery takes up little space
- Improves the indoor climate and air quality
- Helps increase concentration, productivity and general well-being
- Improves the acoustics in a room
- Insulating and sound-dampening effects
- Lowers stress levels

UNIQUE FEATURES

- Available in any size
- Choose manual or automatic irrigation system
- Fully recyclable
- Economical water consumption and no waste
- Space saving and slim system
- Interchangeable plant cassettes
- Easy and quick installation
- Modular system
- Allows freedom in design and plant choice

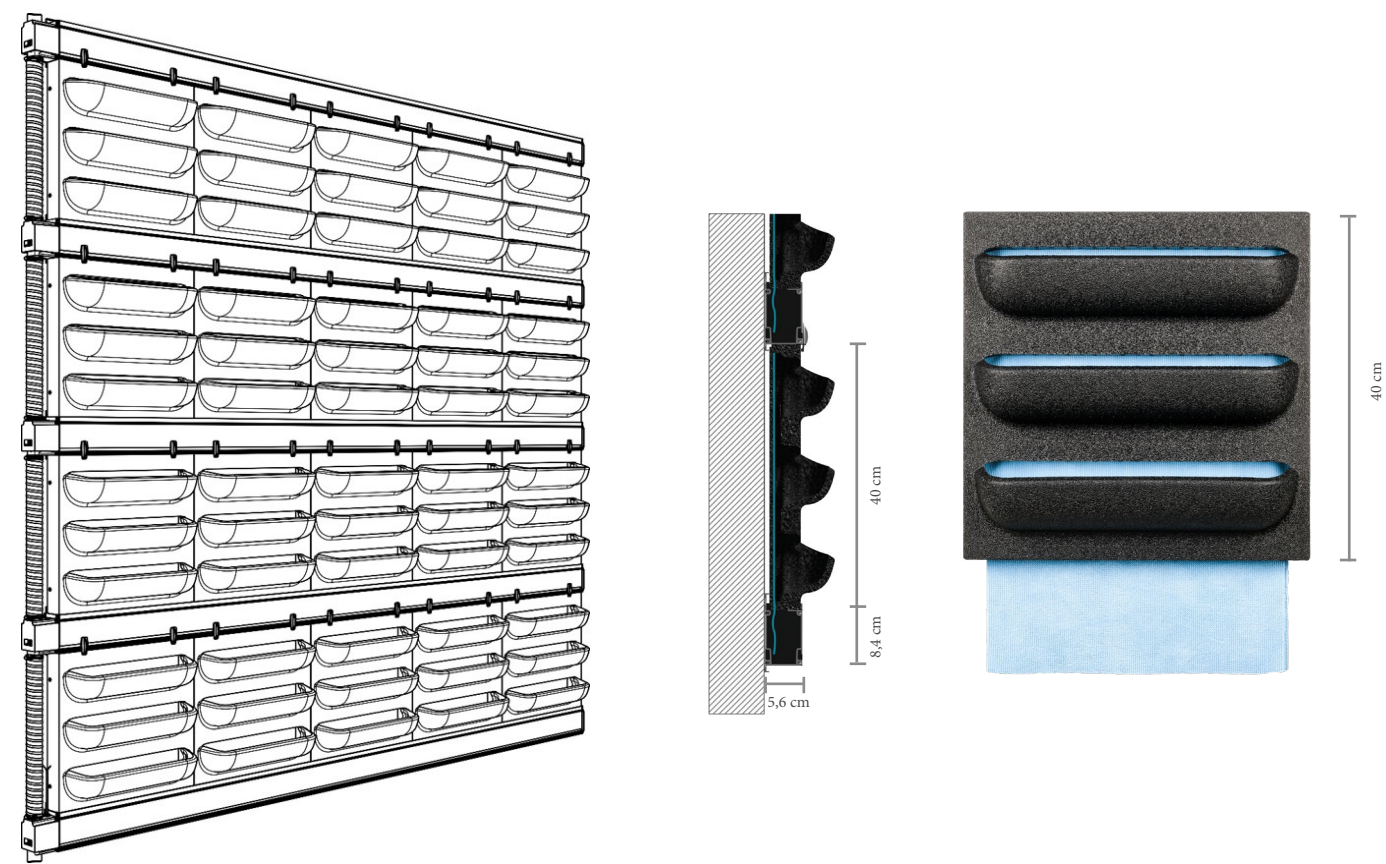
A sustainable plant wall



LivePanel – a real eye-catcher for any interior

LIVEPANEL SPECIFICATIONS

Product	Size	Cassettes	Weight (incl plants and water)
LivePanel	Can be made in any size	Cassette size 40 x 40 cm The cassettes are divisible in two horizontal sections	Max. 40 kg/m²



ADVICE

- For larger walls, it is advisable to install an automatic irrigation unit. An average water consumption of 5 l/m² of landscaped surface per week must be taken into account. This depends on local conditions such as the type of plants, surrounding temperature, air-conditioning and light levels.
- There should always be overflow/drainage considerations when using an automatic irrigation system.
- Water-resistant foil on the rear wall is recommended for indoor use.
- In calculations, tolerances in the aluminium profiles must be taken into account.





LivePanel TANK



The LivePanel TANK offers a simple and efficient solution for the water supply of green walls. It is ideal for spaces without direct access to water connections or where minimal installation impact is desired. With a smart, integrated water tank system, the LivePanel TANK can supply the green wall with water for up to 4 to 6 weeks, without the need for water supply or drainage, requiring only a power connection. Enjoy a sustainable green wall system that is quick and easy to install and features a well considered, reliable maintenance concept.

WATER STORAGE

The water stored in the tank is sufficient for several weeks of irrigating the LivePanel wall, with the exact duration depending on the height of the wall (the number of cassettes stacked vertically). In general, the pump needs to operate once a week, controlled by the supplied timer. This allows irrigation to take place easily outside office hours. Plant nutrients should be added to the water in the tank. Optionally, an alarm can be added to provide notifications when the water level is low or when there is a prolonged lack of float movement.

DIMENSIONS

The LivePanel TANK can be used for LivePanel walls with a maximum height of 540 cm. Each cassette measures 40 x 40 cm. The tank is 42 cm high and 17.5 or 30 cm deep, depending on the size of the reservoir. Tanks can be linked together, with no maximum width for the wall. Optionally, a frame can be placed around the cassettes, made from the same material as the tank, giving the system a refined and premium finish.

LIVEPANEL TANK BENEFITS

- Efficient water use with no water waste
- Water reservoir for approx. 4 to 6 weeks, depending on wall and reservoir size
- No direct water supply or drainage required
- Low maintenance
- Optional alarm system (SMS/email notifications) with sensors

UNIQUE FEATURES

- Available in any desired size, modular system
- Fully reusable and recyclable
- Social impact with PSO Step 3 certification
- Sustainably produced under 'On the Way to PlanetProof' certification
- Easy and quick installation and easy to maintain
- Space-saving and slim system
- Integrated irrigation system
- Fully standalone system

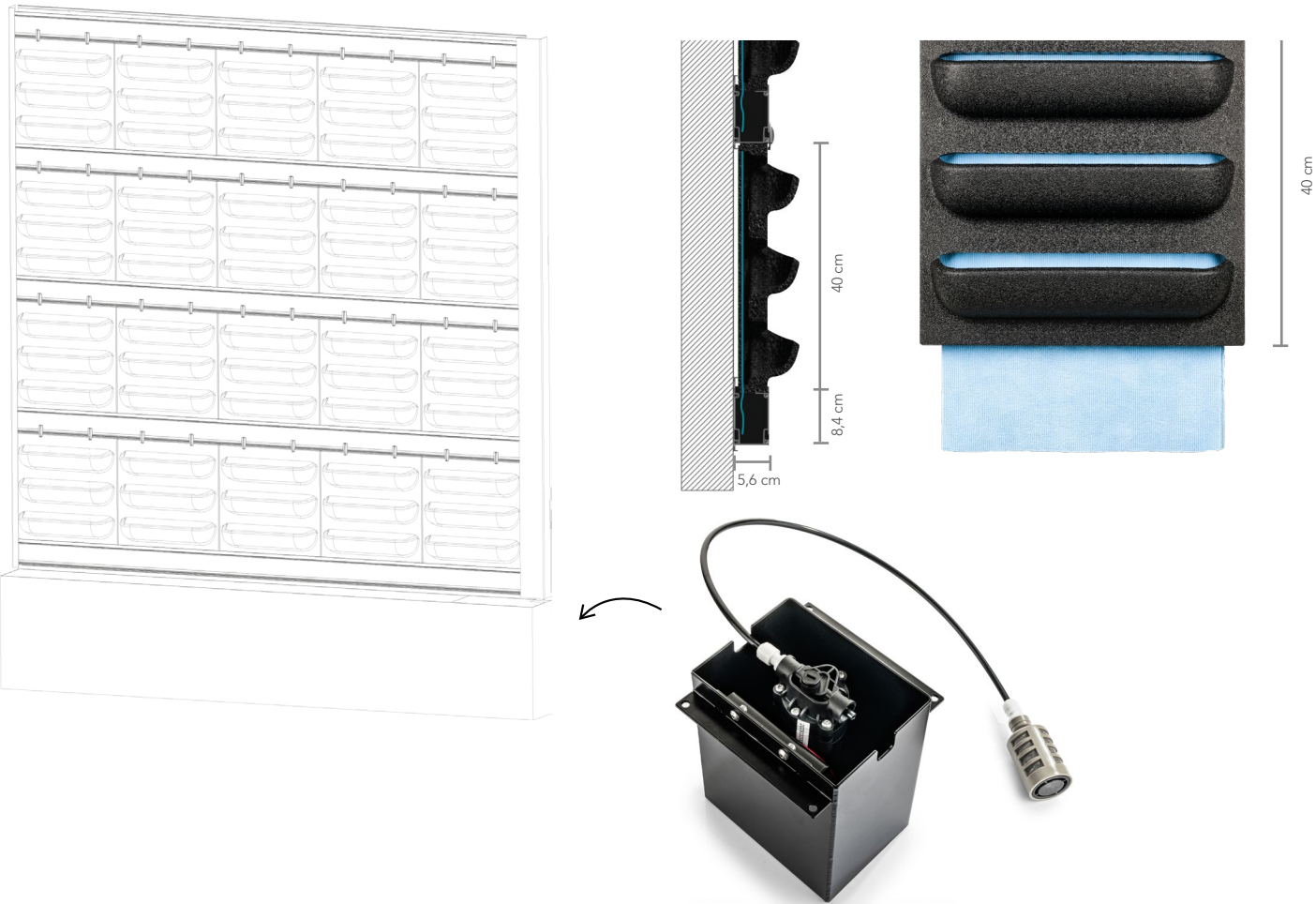
A sustainable living wall



A true eye-catcher for any interior

LIVEPANEL TANK SPECIFICATIONS

Product	Size	Cassettes	Weight (incl plants and water)
LivePanel TANK	Can be produced in any desired size, with a maximum height of 540 cm	Cassette size: 40 x 40 cm The tank is 42 cm high and 17.5 or 30 cm deep	LivePanel wall max. 40 kg/m ²



ADVICE

- For walls higher than 540 cm, it is recommended to install an automatic irrigation unit connected to the mains water supply. An average water consumption of 5 litres per m² of green surface per week should be taken into account. This depends on local conditions such as plant type, ambient temperature and light levels.
- Ensure a stable surface and level installation.
- It is advisable to use a waterproof membrane on the rear wall and spacers for ventilation.
- When calculating, tolerances in the aluminium profiles should be taken into account.





LivePanel PACK®

READY-MADE GREEN WALL AS STANDARD

LivePanel PACK is a green wall system available in four standard dimensions. It is delivered as a ready-made package. This modular green wall system can be easily and quickly converted into a green wall. It is ideal for spaces with one or more small wall surfaces. The modular green wall system consists of large gutter profiles fitted with a water tank that is filled by hand, and with interchangeable plant cassettes with slots. These profiles are easily filled manually with water.

SPACE-SAVING

LivePanel PACK can be affixed to new or existing walls in indoor or outdoor environments. The various sizes and creative plant options make LivePanel PACK a flexible, space-saving green wall system with an unlimited range of applications.



LIVEPANEL PACK BENEFITS

- Vertical greenery takes up little space
- Improves the indoor climate and air quality
- Helps increase concentration, productivity and general well-being
- Improves the acoustics in a room
- Insulating and sound-dampening effects
- Lowers stress levels

UNIQUE FEATURES

- Manual watering
- Available in four sizes
- No electricity, pump or water drainage required
- Economical water consumption and no waste
- Space saving and slim system
- Interchangeable plant cassettes
- Easy and quick installation
- Fully recyclable
- Freedom in design and plant choice

All-in-one green wall system



Space saving and easy to install

LIVEPANEL PACK SPECIFICATIONS

Product	Dimensions (w x h)	Number of cassettes	Weight (empty)	Water volume
LivePanel PACK 2 x 2	87 x 109 cm	4	10.8 kg	4.2 litres
LivePanel PACK 2 x 3	87 x 157 cm	6	15.2 kg	6.3 litres
LivePanel PACK 3 x 2	127 x 109 cm	6	16 kg	6.3 litres
LivePanel PACK 6 x 4	248 x 206 cm	24	51.6 kg	24.5 litres



2 X 2



2 X 3



3 X 2



6 X 4





LiveDivider PLUS®

LiveDivider PLUS is a modular green room divider. This unique system allows modules with interchangeable cassettes that serve as planters to be stacked on top of each other as you wish. This creates more freedom for the flexible division of spaces while surrounding people with greenery. Remote working and flexible workstations have become the new standard in the design and refurbishment of offices. After all, offices today are serving more and more as places where employees come to meet with one another in an inspirational environment where they feel at ease. Plants make a valuable contribution to such an environment.

PRIVACY AND DISTANCE

The LiveDivider PLUS makes it easy to arrange and divide large spaces exactly as you want them. This is precisely what makes this room divider so well suited for use in offices, waiting rooms, hotels, public buildings and more. This room divider is also an ideal solution for defining pedestrian routes for social distancing. Plants enhance the space for the well-being of employees and visitors. LiveDivider PLUS creates more privacy and distance while retaining the open aspect of a given space. The system consists of individual modules made of steel with interchangeable cassettes that serve as planters. Plants can be interchanged to adapt to the season, theme or a specific occasion.

DESIGNER FURNITURE

The modern and timeless room divider is made of high quality, powder coated steel. Its streamlined design and sleek lines make a genuinely impressive green statement in any interior. The modules are installed on a solid base plate. A watering system with a tank is incorporated into each module. This ensures that the plants are supplied with the right amount of water and plant food for up to six weeks. LiveDivider PLUS does not require any electricity, pumps or drainage systems and can therefore be installed in many different places.



LIVEDIVIDER PLUS BENEFITS

- A simple and sustainable way to divide spaces
- Improves acoustics and dampens sound
- Improves the indoor climate and air quality
- Improves concentration, productivity and general well-being, reducing stress
- Takes up little space

UNIQUE FEATURES

- Modular and multi-applicable
- Maintains water supply for 4 - 6 weeks, with water level gauge
- Sustainable, reusable and fully recyclable
- No electricity, pump or water drainage required
- Low maintenance
- High quality design
- Free-standing with plants on both sides
- Interchangeable planter cassettes with space for different types of plants



The green and sustainable room divider

63

Clever stackable system

64

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SPECIFICATIONS LIVEDIVIDER PLUS

Description	Dimensions (W x H x D)	Number of cassettes	Weight (empty)	Water volume
LiveDivider PLUS 1	112 x 81 x 19 cm	4	57.4 kg	17.5 litres
LiveDivider PLUS 2	112 x 131 x 19 cm	8	76.0 kg	35 litres
LiveDivider PLUS 3	112 x 180.5 x 19 cm	12	94.6 kg	52.5 litres



Optional
single-sided planting



Easily movable
with Castor Module



AVAILABLE COLOURS



White

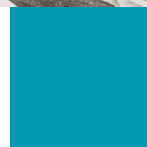


Black





LivePicture®



LivePicture embodies innovation, design and landscaping to deliver stunning effects. The frame includes an integrated watering system with reservoir to ensure that the plants are provided with water for four to six weeks. The innovative patented construction requires no electrical connection. LivePicture can be easily and quickly mounted on any wall using just a few screws.

HEALTHY INDOOR CLIMATE

Plants make an important contribution to the indoor climate, through their production of oxygen, purification of the air and positive effect on relative humidity. Scientific research has shown that anyone who spends more than four hours per day in a room with plants will find it more pleasant and will be demonstrably more productive.

SPACE-SAVING

LivePicture is a stylish and space-saving solution to include plants in any interior environment. Rooms with limited space for plant pots will benefit from the wall-mounted placement of LivePicture. LivePicture requires minimal maintenance.



LIVEPICTURE BENEFITS

- Vertical greenery takes up little space
- Improves the indoor climate and air quality
- Helps increase concentration, productivity and general well-being
- Improves the acoustics in a room
- Sound-dampening effects
- Lowers stress levels

UNIQUE FEATURES

- Unique visual impact
- Water tank for 4 - 6 weeks, equipped with full and empty indicators
- No electricity or pump required
- Fully recyclable
- Interchangeable plant cassettes and frame
- Integrated watering system
- Quick and easy installation

Living picture made up of plants

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Natural green with a modern twist

68

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LIVEPICTURE SPECIFICATIONS

Product	Dimensions (w x h x d)	Number of cassettes	Weight (empty)	Water volume
LivePicture 1	72 x 72 x 7 cm	1	12.0 kg	14 litres
LivePicture 2	112 x 72 x 7 cm	2	16.6 kg	19 litres
LivePicture 3	152 x 72 x 7 cm	3	21.1 kg	24 litres
LivePicture 4	192 x 72 x 7 cm	4	25.5 kg	29 litres



LivePicture 1



LivePicture 4



LivePicture 2



LivePicture 3

AVAILABLE COLOURS



White



Black





LivePicture GO®

LivePicture GO offers a playful way of adding vertical greenery to your living, learning or working environment. Even if you do not have green fingers, the plants stay healthy and beautiful with little effort required. The LivePicture GO empty indicator shows when the water tank needs to be filled. The tank holds enough to water the plants for $\pm$ 4 weeks. The capillary technology of the plant cassette ensures the plants always have the right amount of water.

SIMPLE GREEN

The slots of the removable plant cassette are filled with plants based on your own preferences and tastes. LivePicture GO is highly versatile; in a single or a modular set-up. Create a playful collage using multiple LivePicture GO units. Easily mount the living picture using the two screws and installation template provided.

LIVEPICTURE GO BAMBOO

LivePicture GO Bamboo is made of sustainable bamboo fibres. Bamboo is a natural and sustainable material and has a low environmental impact. Bamboo is biodegradable and 100% recyclable. This natural and sustainable material ensures that any LivePicture GO is unique. Not only the plants, but the frame also makes the LivePicture GO Bamboo green.



LIVEPICTURE GO BENEFITS

- Vertical greenery takes up little space
- Improves the indoor climate and air quality
- Helps increase concentration, productivity and general well-being
- Improves the acoustics in a room
- Sound-dampening effects
- Lowers stress levels

UNIQUE FEATURES

- Water tank for $\pm$ 4 weeks, equipped with full and empty indicators
- No electricity or pump required
- Fully recyclable
- Interchangeable plant cassettes
- Lightweight
- Integrated watering system
- Quick and easy installation

Plant painting for home

71



Add vertical greenery in a playful way

72

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LIVEPICTURE GO SPECIFICATIONS

Product	Dimensions (w x h x d)	Number of cassettes	Weight (empty)	Water volume
LivePicture GO	51.6 x 51.6 x 11.2 cm	1	2.7 kg	2 litres

5cm 6cm



AVAILABLE COLOURS

- 
White
- 
Bamboo
Natural
- 
Bamboo
Black





LiveSpectrum®



A successful installation of LivePicture GO, LivePicture, LivePanel Indoor and LivePanel PACK will depend on its access to light. Not all locations have sufficient light exposure – the “daylight spectrum” – that plants need for healthy growth. LiveSpectrum is a series of light fittings that have been specially developed to simulate and emulate natural daylight.

These LED fixtures have full spectrum colour rendering and are available in a range of light intensities. The LiveSpectrum luminaires (lighting units) are suitable for mounting on or fixing into ceilings and are equipped with energy-saving long-life LEDs. The LED lights are also dimmable to allow the user to select suitable brightness levels for all LivePicture and LivePanel products.



LiveSpectrum - Providing a natural daylight alternative with led

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LIVESPECTRUM LUMISSION FEATURES

- Colour temperatures available: 3000K (warm white) or 4000K (natural white)
- Excellent replication of natural light
- LED module shielded with glass
- Luminaires can be rotated and tilted to suit
- Individual lights can be dimmed separately



LIVESPECTRUM PARUS FEATURES

- A Grow White light, with a suitable spectrum for plants
- 30-120 degree lenses to group or spread the light reach
- Easy to attach to ceiling systems
- Can be suspended by using a suspension fitting
- Available in different sizes (60, 90, 120 and 150 cm)
- Optional: Luminaires can be dimmed with a “smart” controller & timer: 0 ~ 100%



LIVESPECTRUM MOBILIGHT FEATURES

- Colour temperatures available from warm to natural white; 2700k, 3000k, 3500k and 4000k
- Excellent replication of natural light temperatures
- Adjustable luminaire with a 3-phase track
- 350° horizontally rotatable and vertically 90° adjustable
- Easy to attach to ceiling systems
- Can be suspended by using a suspension fitting
- Lens and reflector options available to group or spread the light reach
- Luminaires available in white, silver grey and black
- Luminaires can be dimmed (Bluetooth)



LiveSpectrum helps supports the daylight function

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WE CARE

Our mission is to create **green, healthy** and **sustainable** environments.

