

Instant green systems





Mobilane offices worldwide

- The Netherlands
- Belgium
- United Kingdom
- Germany
- Hungary
- South Africa
- Hong Kong
- United States

“From living rooms, offices, shopping centres and hospitals to car parks and airports, Mobilane’s products have found a multitude of uses worldwide”

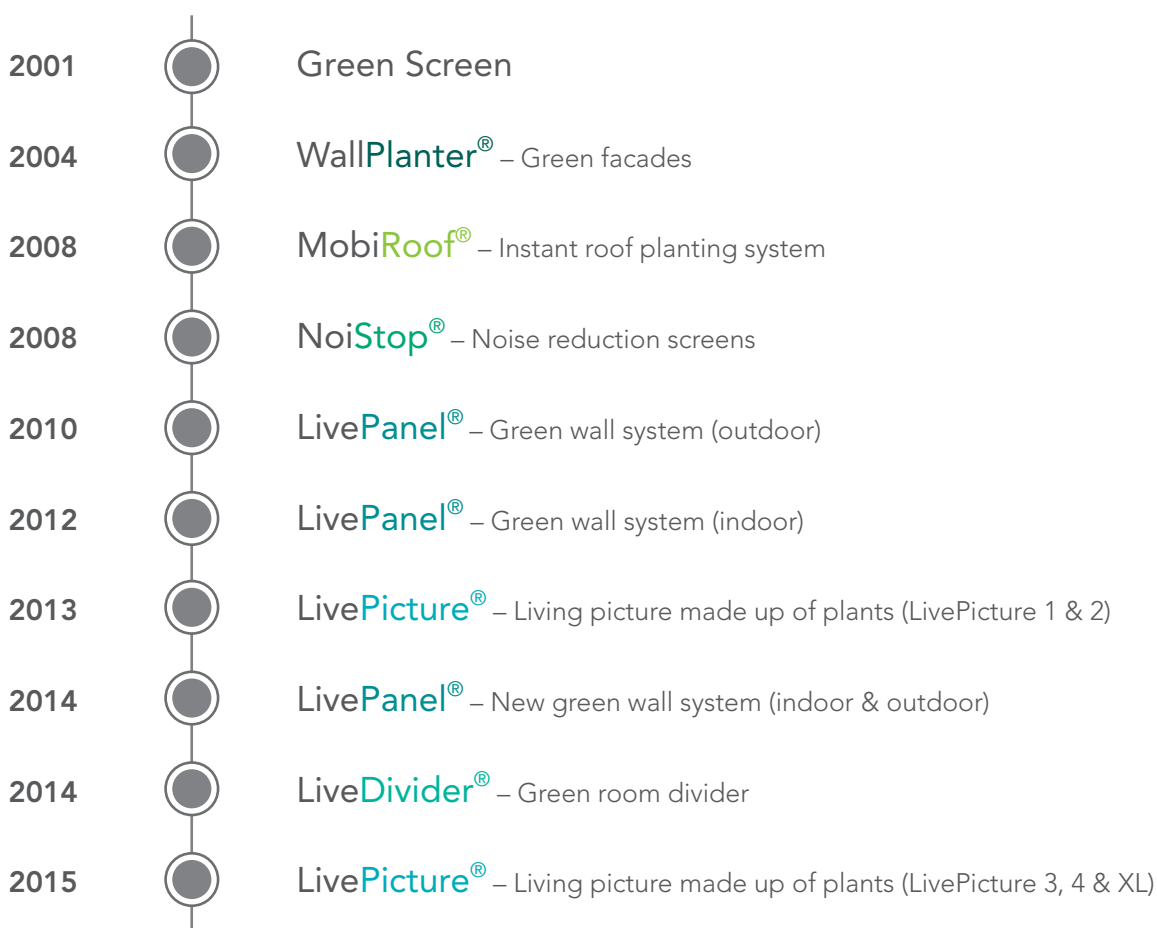
Mobilane

In 2001 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 over 80 years. Mobilane is a specialist in developing and marketing instant indoors and outdoors landscaping systems.

Mobilane international

Experience, innovation and passion form the basis for its success, enabling Mobilane to join the global market. Mobilane has offices in the United Kingdom, 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 within reach for everyone worldwide.

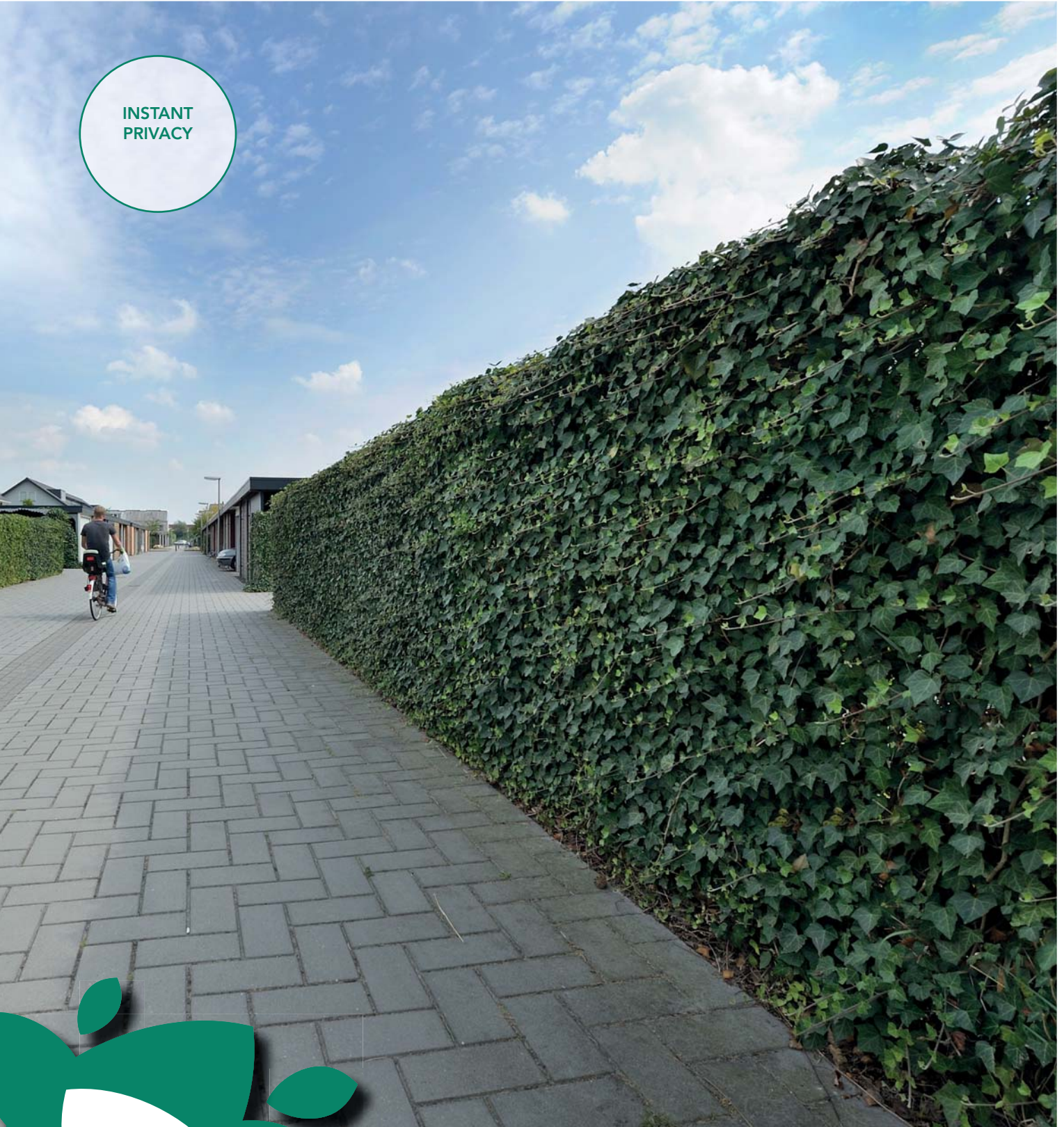
Mobilane’s Product Development



Green Screen *Instant green screen*

Privacy is important for many people. When planting a green hedge as divider, it's often necessary to wait several years before the hedge is dense enough to offer privacy. Mobilane's Green Screen means that such waiting is a thing of the past. The individual panels can be installed in an instant, but it looks as the hedge has been there for years!

INSTANT
PRIVACY



'Easy and fast to install'

This patented Mobilane system comprises a metal grid that is entirely covered with vegetation. These plants are planted in compost in a biodegradable pot, which is attached to the bottom of the metal grid. The biodegradable pot is made from coconut fibres held together by natural latex. After planting the Green Screen, the entirely organic planters degrade 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 supplies different types. This helps create variation with different types of plants, colours and heights.

As the Green Screen comes in different versions, it can be used as divider in various ways, including creating garden rooms, but also to separate patios, swimming pools or car ports. Waste containers can be hidden from view. 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 *Instant green screen*

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 220 cm, 120 x 300 cm	Iron and hardwood 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 (Hornbeam)



Pyracantha 'Dart's Red'



Euonymus fortunei
'Dart's Blanket'



The hedge as it is delivered



The same hedge after one growth season

Advice

- The planting trench should be 0.4 m deep. 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 regional circumstances and the on-site situation. Soil fertilisation is also required immediately after planting.
- Make sure the rootball is not hindered by obstacles (e.g. pieces of concrete, rubble or other obstructions). A small, restricted rootball can result in plant damage, particularly during extreme heat or frost conditions.
- Make sure there are no pipelines, cables, constructions or foundations that can be damaged when digging the site.
 - The hedge shouldn't 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.



Green Screen Advantages

- Dense, green hedge creates immediate privacy
- Easy to maintain
- Sustainable and attractive divider for the surroundings
- Can be planted throughout the year, except during frost periods
- High-quality fencing with 10-year guarantee
- Available in different types
- Available in different heights, depending on plant variety
- Posts and fixing materials also available
- Reduces fine dust
- Contributes to biodiversity

MobiRoof[®] *A green roof is super easy*

It is difficult to create a green environment in urban areas. And yet the MobiRoof green roofing system means you don't need to wait years for this. MobiRoof consists of a system of sedum cassettes which are simply clicked into each other. Ideal as a green roof, for example for garden houses, garages, carports and storage buildings. A roof garden on a large roof can also be 'greened up' simply and quickly.



EASY TO
INSTALL

'Always wanted a green roof? Choose MobiRoof, the fast, aesthetically pleasing solution!'

The unique lightweight cassette system is planted with various types of sedum plants and has a special substrate for rainwater drainage and storage. Additional benefit of this system is that the cassettes can be replaced. This allows the sedum roof to be designed according to your requirements.



The plants improve air quality through CO₂ reduction as well as capturing fine particles. UV rays no longer reach the roofing, which considerably extends the lifespan of the roofing material. The sedum cassettes also protect the roof against the effects of weather.

MobiRoof[®] *A green roof is super easy*

MobiRoof specifications

Product	Size	Retention capacity	Weight
MobiRoof	54 x 54 x 9 cm (= 0,29 m ² = 3,4 cassettes per m ²)	approx 20 liters/m ²	approx 38 kg/m ² dry and approx 58 kg/m ² fully saturated

MobiRoof properties

- The cassettes are made of regenerated montoxic polypropylene.
- Substrate has proper waterretention and drainage characteristics.
- Planting exists of a mixture of various sedum species.

Recommendation

- The outer edges of the roof and around skylights and drain pipes, for example, should be finished with grit in order to enhance the microclimate and prevent wind from getting under the cassettes.
- The Mobiroof system is suitable for both flat roofs and roofs with a slight slope (up to approximately 20% or 10 degrees), in principle without any additional facilities. It can be used on roofs with steeper slopes; the system should then be anchored using an L profile, for example.
- If root-suppressant roofing is not used on the roof, a root-suppressant breather membrane should be applied upon installation.
- Irrigation is desirable in periods of extreme drought.
- Maintenance should be carried out once or twice a year, which consists of:
 - A general check
 - Removal and disposal of unwanted plants (weeds)
 - Fertilisation in spring with sedum roof fertiliser
 - Trimming of plants that have finished blooming, mostly from mid-September onwards.
The small cuttings can remain on the roof and the larger cuttings should be removed.





MobiRoof® Advantages

- Instant solution, including substrate and sedum
- Insulating effect in both summer and winter
- Relieves the waste water system during heavy downpours
- Extends the lifespan of the roofing
- Contributes to reducing CO₂
- Reduces fine dust
- Can be customised
- Has noise-reducing qualities
- Can be used on flat and slightly sloping roofs
- Easy to remove and replace in the event of roof damage
- Increases the value of the building
- Easy to install
- Low maintenance

LivePanel® *Sustainable plant wall*

The patented LivePanel system is an innovative vertical landscaping application. A unique system has been developed for green façades and walls on the basis of 80 years of landscaping experience. LivePanel is a sustainable 'living wall' system for both indoors and outdoors. So-called 'living walls' or 'green walls' are becoming enormously popular and are helping to make more and more urban areas greener.

CREATE GREEN
BUILDINGS



'LivePanel helps make urban areas greener'

The LivePanel system easily transforms cold walls into a warm, living surface. LivePanel is a modular living wall system with exchangeable plant cassettes. The cassettes consist of cups in which plants are placed. Each row of cassettes is placed in a duct profile that also serves as a water reservoir. The plant absorbs water from the duct via a capillary system.

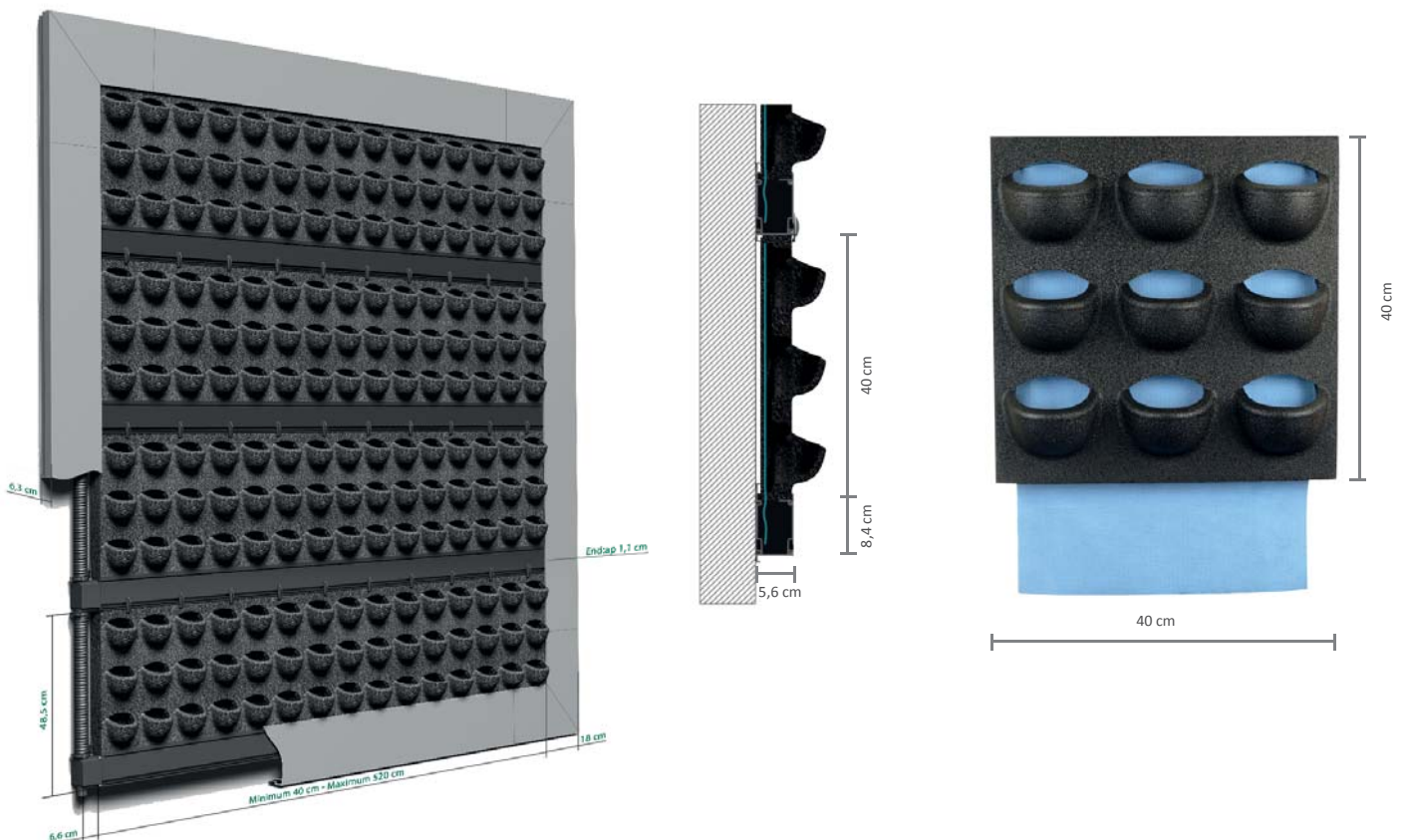


LivePanel can be used for various vertical landscaping applications: allow your creativity free rein in the design options and plant choices the system offers. LivePanel can be easily installed on various kinds of walls.

LivePanel® *Sustainable plant wall*

LivePanel specifications

Product	Profile length	Number of cassettes	Weight (incl. plants and water)
LivePanel	Variable, max 520 cm (multiple profiles can be installed next to each other)	depending on dimensions of the green wall	Max 40 kg/m ²



Advice

- An overflow/drainage must be available.
- For larger walls, it is advisable to install an automatic irrigation unit. An average water consumption of 5 litres/m² of landscaped surface per week must be taken into account. This depends on local conditions such as the type of plants, surrounding temperature and amount of light.
- For indoor applications a water-resistant foil should be applied to the back wall.
- Tolerances of the aluminium profiles should be taken into account during calculations.

Available colours

The optional frame is delivered as standard in clear anodised aluminium. Other colours are available on request.



LivePanel® Advantages

- Exchangeable cassettes
- Easy installation and quick assembly: pre-planted cassettes, so little nuisance on project site
- Low water consumption
- Modular system
- Indoor and outdoor application
- Compact construction that takes up little space
- Thermal insulation advantages
- Noise-reducing properties
- Low maintenance
- Low odour
- Contributes to a healthy climate through oxygen production and fine dust capture
- Contributes to biodiversity

WallPlanter[®] *Green wall with Green Screens in planters*

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 construction. The system comprises specially developed planters with hedges that are fixed to a wall, giving the building a natural look.

INSTANT GREEN
WALL



'Instant green wall with WallPlanter'

WallPlanter green wall offers a green result immediately after installation. The basic element is an aluminium planter in 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 buildings.



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 system. Of course a green wall also results in significant improvement to an area's liveability.

WallPlanter® *Green wall with Green Screens in planters*

WallPlanter specifications

Product	Seize	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 properties

- 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 drainage 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.

Recommendation

- The weight of the WallPlanter elements necessitates 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 on 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.

Beschikbare kleuren

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



WallPlanter® Advantages

- Increased greenery in urban areas
- Improved living environment
- Low maintenance
- Contributes to reducing CO₂
- Contributes to reduction of fine particles (fine dust)
- Noise-reducing properties
- Helps prevent graffiti
- Contributes to biodiversity

NoiStop® *Noise-reducing wall*

Noise nuisance is one of the biggest frustrations people face. Governments, but also private individuals, are increasingly active in limiting the effects of this. Noise nuisance can, for example, be caused by busy roads that border the back garden as well as activities on neighbouring plots. There's a solution in the form of NoiStop, a noise-reducing screen that can be installed in an instant.

PREVENTS NOISE
NUISANCE



'Noise-reducing screens for peace, privacy and safety'

NoiStop noise-reducing screens are unique because they not only obstruct noise, but they also 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.



NoiStop can be used in various applications. As fencing it offers immediate privacy and safety and, not to forget, peace and quietness. The screens can also be used effectively in high noise areas, including next to railway tracks, near a children's playground or along busy roads. The application possibilities are endless! NoiStop noise-reducing screens are available in two types: Green and Wood.

NoiStop Green specifications

Product	Dimensions/panel	Sound insulation	Sound absorption	Weight
NoiStop Green	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 = 21dB(A) = Class B2	DL α = 9 dB(A) = Class A3	approx 24 kg/ m ²

NoiStop Green properties



NoiStop Green has a green polyethylene meshing and a core of compressed rock wool in between galvanized steel framework. NoiStop Green 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

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 = 21dB(A) = Class B2	DL α = 11 dB(A) = Cass A3	approx 30 kg/ m ²



NoiStop Wood properties

NoiStop Wood consists the same type of rock wool core as the NoiStop Green. This is finished with lattice work 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

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



NoiStop® Advantages

- Significant noise reduction
- Immediate peace, privacy and safety
- Easy installation due to lightweight panels
- Slender construction
- Low maintenance
- Suitable for vegetation, for example with Green Screen
- Suitable as windbreak
- Choice of various types and dimensions
- Expected lifespan: 20-25 years

Learn more about our indoor products:

LivePicture®



LiveDivider®



LivePanel®



Mobilane B.V. The Netherlands

Broekweg 3, 3956 NE Leersum
Postbus 2, 3956 ZR Leersum

T: +31 (0) 343 42 08 65

F: +31 (0) 343 47 79 39

E: info@mobilane.nl

I: www.mobilane.eu