

GC



**Thrive in  
Green**

**Green Concept**  
Thrive In Green



# The Concept

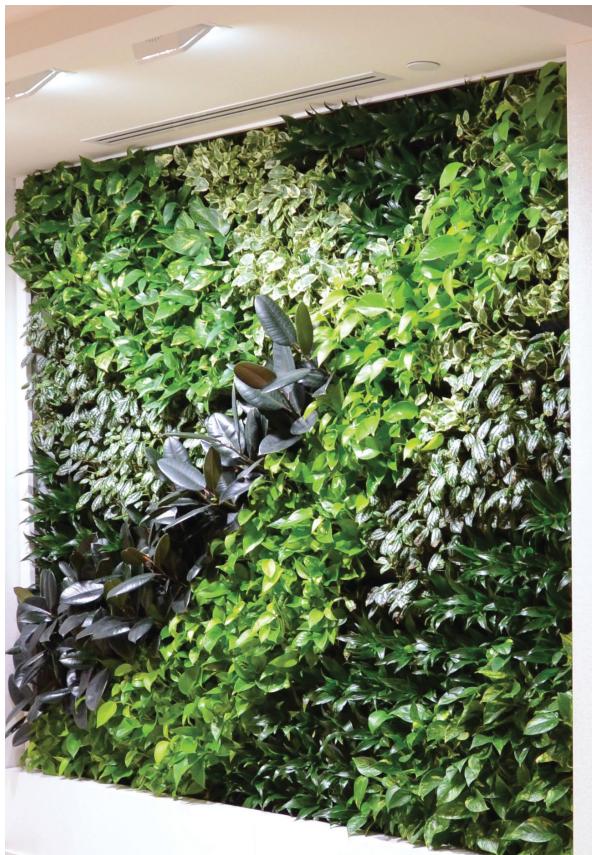


**H**Healthy employees are a key success factor. Employees attach great importance to their personal work-life balance and expect sustainable action and social commitment from their employer.

The aim of the Green concept product series is to promote both a sustainable improvement in indoor air and health in the workplace.

Biophilic design means that we consciously integrate nature into interior spaces and thus unconsciously connect with it. Creation of trust and acceptance. Our goal is to reduce sources of stress such as noise, dry and polluted indoor air. Increasing cognitive abilities through the medium of nature.

Visual and acoustic screening through plant hedges and water walls. Healthier indoor air, free from airborne bacteria, aerosols, dust particles, and dust. Increase in humidity via natural elements such as plants and water surfaces. Alternative optimization and supplement to classic air conditioning and ventilation technology.



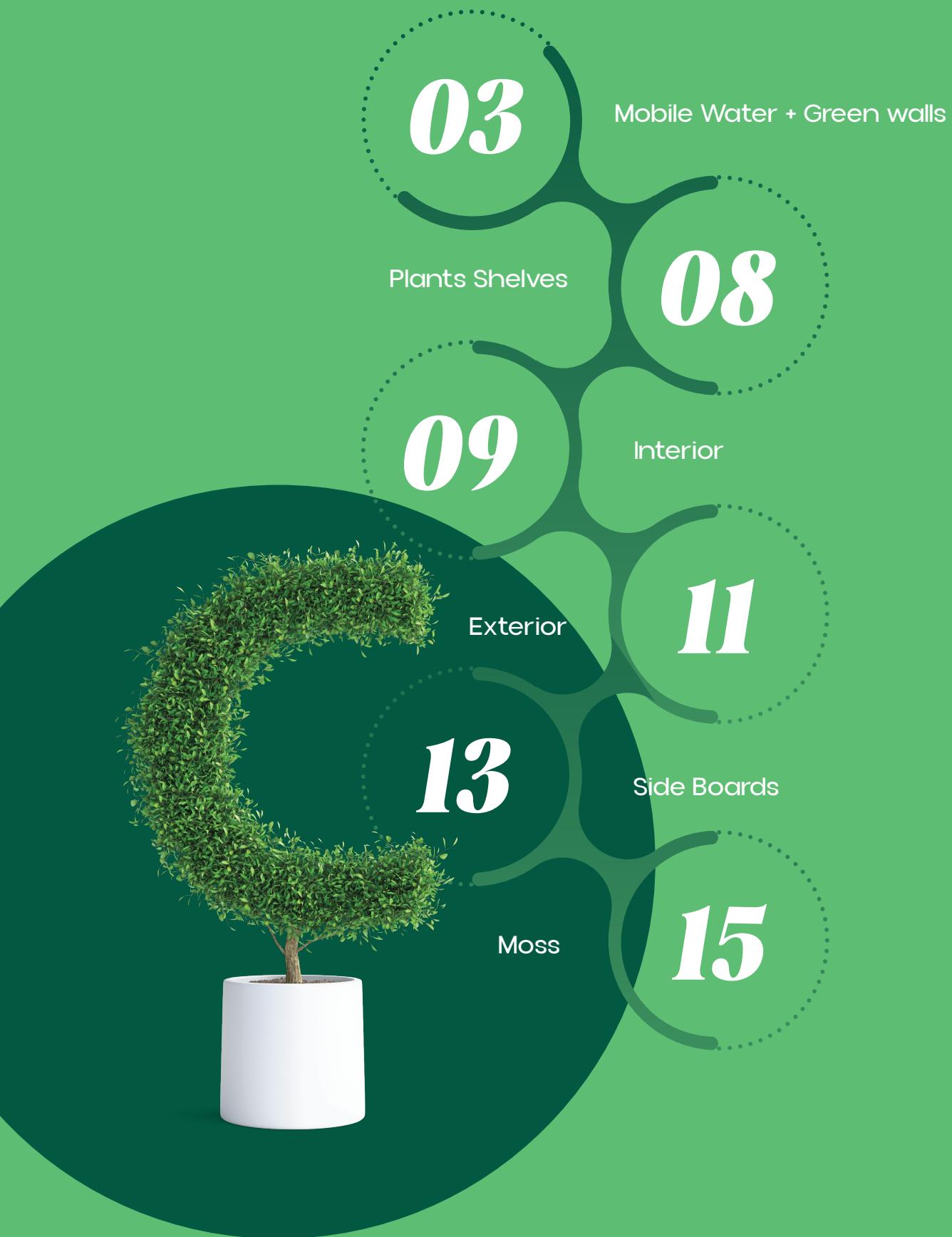
## Acoustics

- Increase in the ability to concentrate.
- The aim of good room acoustics is a balanced relationship between reverberation time and speech intelligibility.
- The so-called reverberation within a room, which is caused by reflections from reverberant materials such as concrete walls and ceilings, glass surfaces, parquet, or tiled floors, has a disruptive effect.
- Support natural defenses.

## Air Quality and Humidification

- Protection against influenza viruses.
- Influenza viruses live longer in dry air! The risk of contracting an influenza A virus is three times higher when the humidity is between %20 and %35 than when the humidity is optimal at %50.
- In addition, viruses stay in the air longer in a dry room climate and increase the risk of spreading.

# Content



## Mobile Walls



### Green Wall

The KLIMAKUSTIK® Plant Wall combines the benefits of natural greenery with integrated acoustic functionality.

In addition to its sustainably positive effect on the indoor climate, the plants neutralize CO<sub>2</sub> and filter pollutants from the air. The watering of the planting levels is silent and ensures even and natural plant growth. Water and fertilizer are replenished manually.

## Details

### • Design / Material

Double-sided planting in a hydroponic system. The support medium for the planting levels/channel system is made of 24 mm acoustic panel (min. %60 recycled PET). The complete product features fine material transitions and small joints. Tub cladding and insert sheet are made of stainless steel, with a frame construction and coverings made of steel, and a high-quality water collection tray made of %100 recycled plastic.

### • Surfaces / Color

High-quality powder coating | External surfaces RAL9016 traffic white, internal surfaces RAL7021 black-gray, or completely in RAL7021 black-gray.

### • Irrigation

Low-voltage pump with timer for automatic irrigation

### • Mobility

Product height 160 cm / 200 cm includes concealed double wheels.

Product height 230 cm with adjustable feet and mounting device for static securing via the ceiling, e.g., with fine steel cable (steel cable and static anchor point on the ceiling to be provided on-site)

### • Optional

Double Plant Light suitable for double-sided KLIMAKUSTIK® Plant Walls, consisting of 2 LED plant lights, each with 50 W (see page 34).

Electronic Water Level Indicator with colored LED display

Digital water level indicator (low voltage/CE certified) with colored LED water level display ensures easy and time-saving refilling with water.

	Item No.	Width	Depth	Height
Plant wall Acoustic	KAO6080160040	80	40	160
	KAO6100160040	100	40	160
	KAO6120160040	120	40	160
	KAO6080200040	80	40	200
	KAO6100200040	100	40	200
	KAO6120200040	120	40	200
	KAO6080230040	80	40	230
	KAO6100230040	100	40	230
	KAO6120230040	120	40	230
Double Plant Light	KAO8LEDO2			
Electronic Water Level Indicator	KAO8LEDANZ1			



# GREEN WALL® SYSTEM

The Green Wall® System is designed to distribute water throughout the wall using a closed system, ensuring that no water escapes forward or behind the wall. Water is pumped to the top and flows from tray to tray down to the bottom.

Each tray is designed to hold a specific amount of water for individual plants, preventing competition for water among the plants.

This system ensures that no soil spills out of the wall and no water spills forward, maintaining a neat and spotless Green Wall.

Typical watering times for the system are every 10-7 days, depending on the size of the wall. Water can either be recycled or drained off at the bottom. The watering schedule is managed to minimize water waste.



## Our Range of Services

- Partnership-based advice for planning your interior concepts and architectural projects.
- Analysis of light values and room conditions.
- Room climate/building physics, including room calculations by our network partners.
- Selection of suitable hydroponic plants from nurseries.
- Creation of green concepts tailored to your space and budget specifications.
- Selection from an extensive range of plants and containers.
- Delivery, watering, and care services for plants and water features.
- Dedicated contact person for all matters related to indoor climate and interior greening.



# PLANTS



Philodendron  
Cordatum

Neon Pathos

White Butterfly  
Nepthytis

Schefflera  
Lusseane

Golden  
Pathos



## STANDARD PLANTS

Long term plants that are proven to work well vertically for interior environments. They are able to handle the lower lighting conditions while still being durable and attractive.

1



Ficus Elastica  
Burgundy

2



Pink Syngonium

3



Silver Satin Pathos

4



Austral Gem Fern

5



Anthurium



## ACCENT PLANTS

These are used in smaller quantities to add intricacy through color and texture. They may need to be replaced sooner than the core plants which is why they are used in smaller amounts and are covered under warranty.

# WATER WALL

The sensible enhancement of your design and indoor climate concepts

The optimal comfort level for indoor climate is around 21°C with 645-40 relative humidity. The KLIMAKUSTIK® Water Walls impress with their high-quality optical processing and appearance. The soothing and silent flowing water film refreshes the air through the cold evaporation of water, creating a natural indoor climate without over-moisturizing the space. Additionally, dust is bound from the air, and unpleasant odors are neutralized.

	Item No.	Width	Depth	Height
Water Wall	KA07080160040	80	40	160
	KA07100160040	100	40	160
	KA07120160040	120	40	160
Acoustic	KA07080200040	80	40	200
	KA07100200040	100	40	200
	KA07120200040	120	40	200
	KA07080230040	80	40	230
	KA07100230040	100	40	230
	KA07120230040	120	40	230



Electronic Water Level Indicator  
KA08LEDANZ1



# PLANTS SHELVES

## Details

### • Design / Material

Mixed planting in hydroponic system, the entire product impresses with fine material transitions and small joints, tub cladding, insert sheet, and frame construction, as well as coverings made of steel. In the lower level: high-quality planting insert made from 100% recycled plastic

### • Surfaces / Color

High-quality powder coating | External surfaces RAL9016 traffic white, internal surfaces RAL7021 black-gray, or completely in RAL7021 black-gray

### • Acoustic planting levels

High-quality planting insert for hydroponic system. Visible parts made of 12 mm acoustic panel (at least 60% recycled PET content) | Color: raven-anthracite, mitered edges all around

### • Mobility

Product height of 160 cm and 200 cm includes concealed double wheels

### • Plant Light (optional)

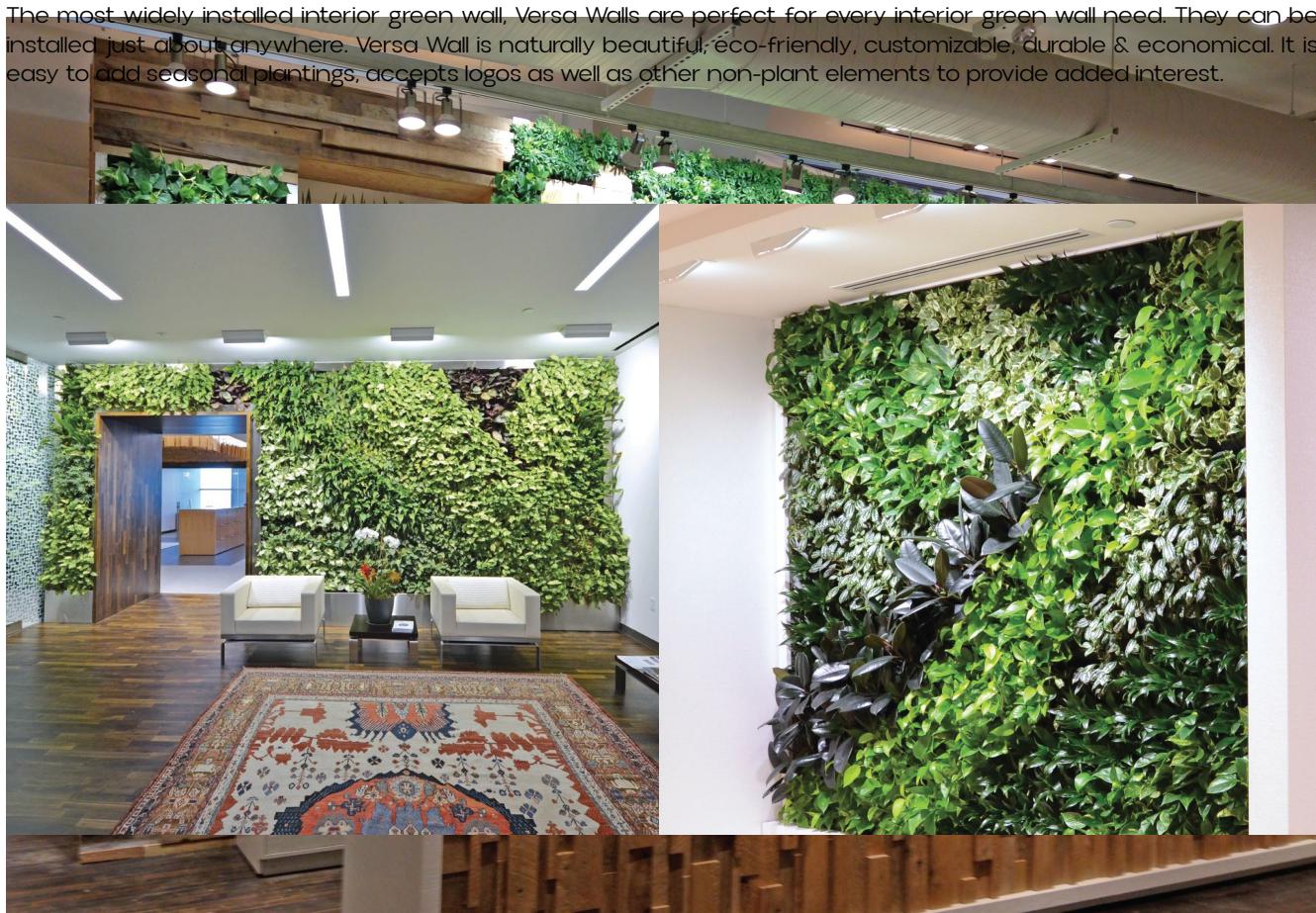
Glare-free LED plant light for each planting level

	Item No.	Width	Depth	Height
Plant Shelf (2 planting levels) without illustration	KA108040160	80	40	160
	KA1010040160	100	40	160
	KA1012040160	120	40	160
Plant Shelf (3 planting levels)	KA108040200	80	40	200
	KA1010040200	100	40	200
	KA1012040200	120	40	200
Plant Shelf inclusive timer	KA10LED160	for height		160
	KA10LED200	for height		200



# INTERIOR

The most widely installed interior green wall, Versa Walls are perfect for every interior green wall need. They can be installed just about anywhere. Versa Wall is naturally beautiful, eco-friendly, customizable, durable & economical. It is easy to add seasonal plantings, accepts logos as well as other non-plant elements to provide added interest.



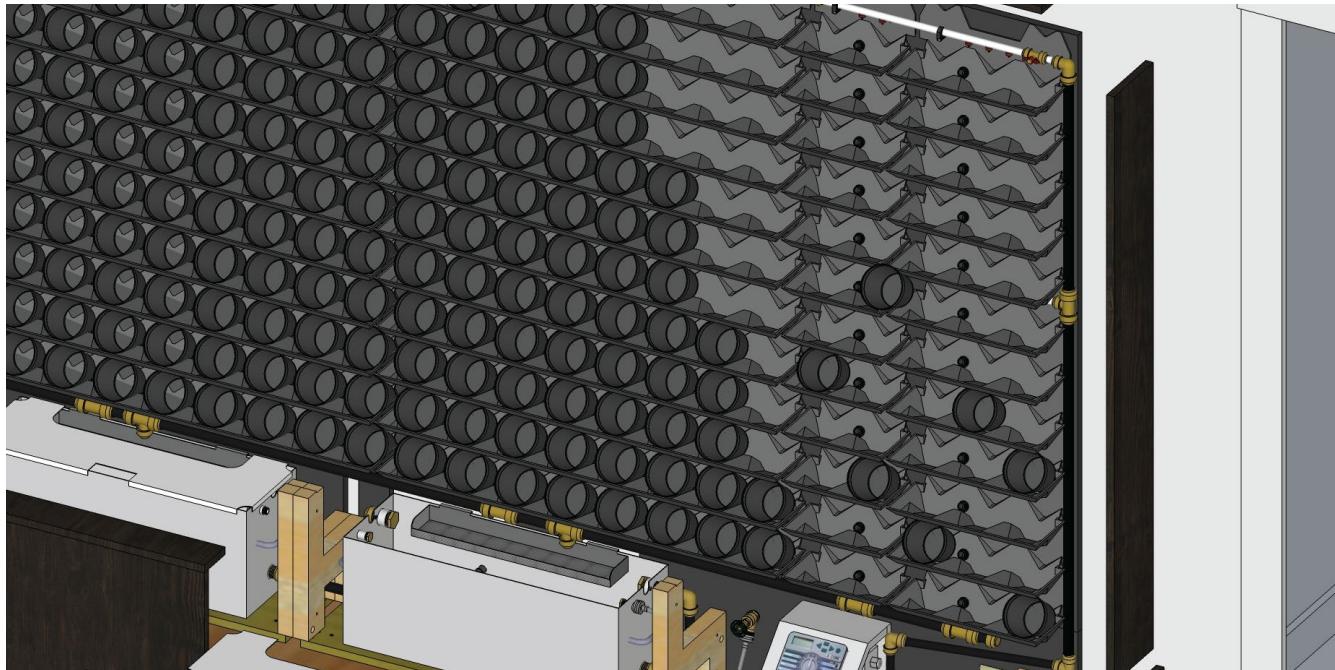
## FEATURES

- Quick installation
- Designed to be mounted on plywood attached to your structure
- Utilizes 4" potted plants
- Can easily replace plants for seasonal accents
- No pre-growth for shorter lead times
- Optional recirculating irrigation system provides water efficiency
- Optional recirculating tanks can be filled by hand or connected to plumbing to auto-fill
- Maintenance program

## BENEFITS

- A living work of art
- Brings nature indoors to you
- Creates a design focal point
- Removes toxins from the air
- Produces oxygen
- Reduces stress
- Enhances well-being & productivity
- Creates a festive atmosphere for the holidays with holiday accents
- Represents your company's values
- Positively affects up to 27 LEED® credits
- Dampens noise
- Highlights your "green initiatives"

# INTERIOR



## BENEFITS

- Branding
- WOW Factor
- Cleaner Air
- Noise Reduction
- Employee Morale
- Added Productivity
- Calming Influence



## Lighting Requirement

- For the basic survival of the plants, a minimum of one hundred fifty (150) foot candles of light must be provided across the entire surface of the wall for a minimum of ten to twelve (12~10) hours per day using supplemental light with a color temperature of 4,000K~4,500K.
- The most common supplemental artificial lighting is LED or Metal Halide.
- The lighting system must be on an independently controlled, adjustable timer
- Light intensity should be spread as evenly across the wall as possible.  
Wall washer style lighting provides best results
- Metal Halide lights must be no nearer than 4' from foliage to prevent burning.
- A photometric study, indicating the designed foot candle coverage across the wall, must be provided prior to plant design and selection.  
The study may be obtained from the lighting manufacturer or your professional lighting consultant.

# EXTERIOR

based on the highly successful Versa Wall System and allows for an unrivaled degree of flexibility & creativity to exterior projects while still retaining the advantages of a tray & pot-based system. Irrigation is optimally managed & controlled. Mature plants are installed rather than growing them in place, allowing for an immediate "wow" factor.

## FEATURES

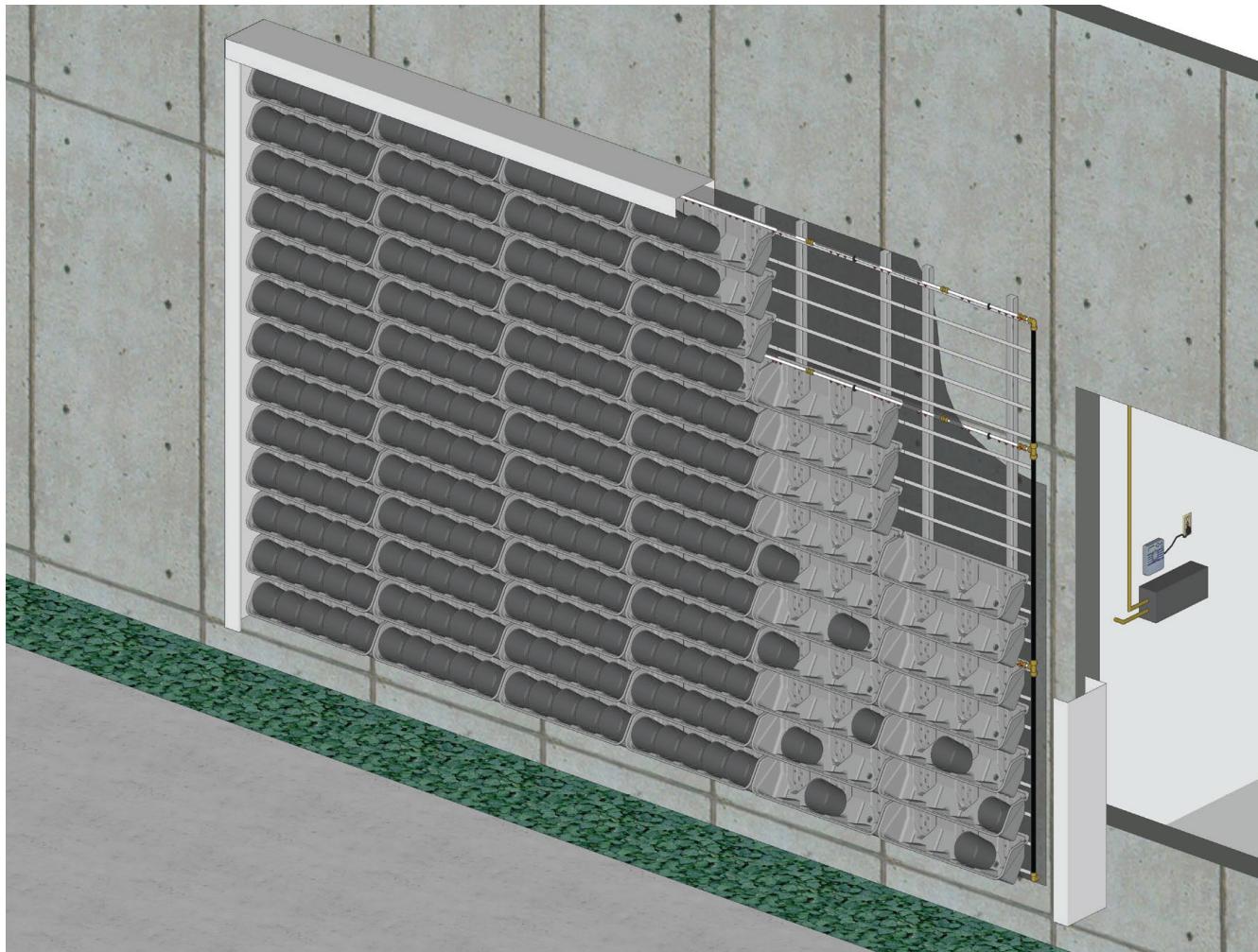
- Quick Installation
- Frame mounts to most structures
- UV protected tray material
- Can easily replace plants for seasonal accents
- Larger plants installed in system
- 1 Gallon" potted plants
- Irrigation water contained in the trays
- Durable
- Gsky Maintenance Program

## BENEFITS

- A living work of art
- Creates a design focal point
- Removes toxins from the air
- Produces oxygen
- Reduces stress
- Enhances well-being & productivity
- Represents your company's values
- Positively affects 27 LEED® credits
- Dampens noise
- Highlights your "green initiatives"



# EXTERIOR



## SPECIFICATIONS

Description	Patent protected tray design that holds & waters industry standard 1-gal pots on the wall
Suitable Walls	Concrete, CMU, wood or metal frame, structural steel
Mounting	Direct on Concrete & grouted CMU, 4/3" plywood backing on wood & metal structure, Additional substructure on steel
Trays	Material %100 recyclable ABS (Grade A) %100 post consumer
	Growth Media Typical nursery growth media
	Dimensions 5-Pot Tray: 8/7-8" H x 8/3-11 '2" x 10"D (225 x 900 x 255) 2-Pot Tray: 8/7-8" H x 8/1-3 1" W x 10" D (225 x 385 x 255)
FRAMES	Material Galvanized or stainless steel #304, mill finish (T304)
	Dimensions FR4/3-11 '4 :53" H x 4/3-11 '2" W x 2/1-1" D (1510 x 905 x 50)
Irrigation	Drip Line Green Wall® XT Drip Line 5-Pot, five (5) 2.0 GPH emitters on a 8/3-11 '2" W PEX pipe length Green Wall® XT Drip Line 2-Pot, two (2) 2.0 GPH emitters on a ___ W PEX pipe length
	Controller Timer, valves, filter, fertilizer injector, regulators
	Fittings Standard Pro® PEX pipe & brass Push & Fit fittings system
	Drainage Free drain, direct to bldg drainage, recirculating systems are possible
Plant Acquisition	Minimum order is 4 weeks depending on size & plant availability
Maintenance	Required, 1-year minimum & maintenance access by lift or ladder must be planned for
Warranty	Trays 5 years, Irrigation 2 years, Plants under Green Concept® Maintenance Contract

# Side Boards

## KLIMAKUSTIK® SIDEBOARDS

Material of visible parts: Acoustic panel 12 mm, min. 60% recycled PET content, mitred all round. Colour: Raven anthracite, other 27 colours on request. Single planter incl. high-quality plant insert for the hydroponic system.



	Item No.	Width	Depth	Height
Sideboard Topper (without planting)	KAO1404016	40	40	16
	KAO1080040016	80	40	16
	KAO1120040016	120	40	16
AIRCLEANpro built-in module (incl. planting)	KAO1404027	40	40	27
	KAO1080040027	80	40	27
	KAO1120040027	120	40	27
AIRCLEANpro built-in module (incl. planting)		für 40/40/H27		
		für 40/80/H27		
		für 40/120/H27		



# Side Boards

## Details

- Standard colour (A): raven-anthracite
- Collection colours (B): charcoal, smoke-grey, snow white, winter sky, succulent, ground and jute and other special colours on request
- Material of visible parts: Acoustic panel 12 mm, at least %60 made from recycled PET, crafted with mitered edges all around
- Multi-part and assembleable
- Empty container including high-quality plant insert for the hydroponic system
- Optional  
for sizes 40x80 cm, height 16 cm and 27 cm  
packaging/cartonage
- AIRCLEANpro built-in module: FLORAFILT filter technology incl. HEPA filter and hydroponic plants of your choice



## Details

- Standard colour (A): raven-anthracite
- Collection colours (B): charcoal, smoke-grey, snow white, winter sky, succulent, ground and jute and other special colours on request  
(see page 3)
- Material of visible parts: Acoustic panel, 12 mm thick, with at least %60 made from recycled PET, solid edge mitered all around, removable acoustic cover
- Modular and assembleable
- Empty container including high-quality plant insert for the hydroponic system

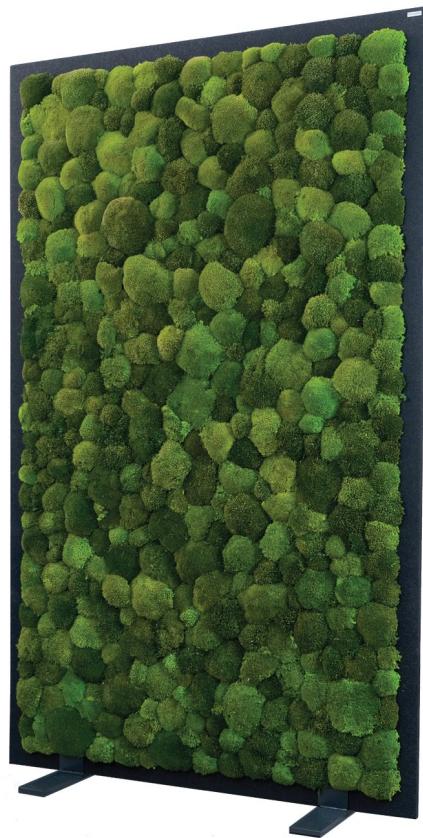


# Moss

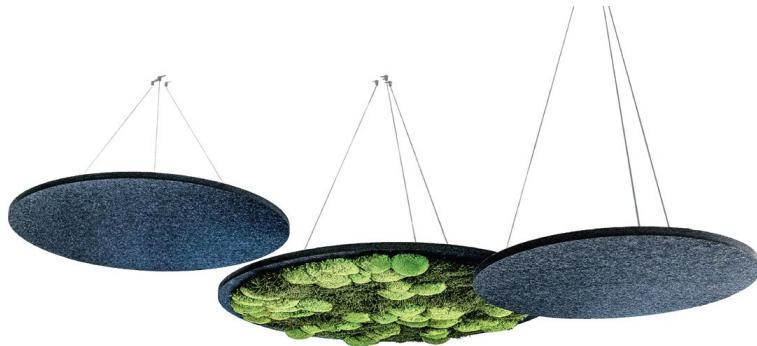
## Moss Room Divider

### Details

- Room Divider with approximately 5-3 cm border, double-sided, designed with %100 ball moss in the colors natural, apple green or forest green on a 24 mm acoustic panel with at least %60 recycled PET.
- Standard colour (A): raven-anthracite
- Collection colours (B): charcoal, smoke-grey, snow white, winter sky, succulent, ground and jute and other special colours on request (see page 3)
- High-quality Feet (40 cm): Powder-coated steel in black-gray RAL7021.
- Frame-less



## Moss & Ceiling panel



### Details

- Moss Panel: Approximately 5-3 cm border, designed with %100 ball moss in natural, apple green, or forest green on a 24 mm acoustic panel with at least %60 recycled PET. | Standard colour (A): raven-anthracite, Collection colours (B): charcoal, smoke-grey, snow white, winter sky, succulent, ground and jute and other special colours on request including mounting kit.
- Ceiling Panel: Acoustic panel, 24 mm, with at least %60 recycled PET. | Standard colour (A): raven-anthracite, Collection colours (B): charcoal, smoke-grey, snow white, winter sky, succulent, ground and jute and other special colours on request (see page 3) | including mounting kit.

# Moss

## MOSS PICTURES

The mosses are preserved by a special process.

This means that they need neither light nor water. That makes the moss suitable for use in all areas of interior design, even where there is no daylight.

The green, moss-covered natural pictures are real attractions and can be used both as a mural and suspended from the ceiling as a module.

The acoustically effective spherical moss is glued to a carrier acoustic panel made of ARCHISONIC® material, which has both a shielding and absorbing effect.



# Collaboration project



Scientific monitoring of the acoustic effects of GREENCONCEPT® in real field tests.

It is not only the reduction of the reverberation time to an optimal area, but rather the reduction of speech intelligibility at the location of the subjects.

Further focal points of the project:

- Effect of indoor plants on the human organism (biophilic design) in terms of stress resistance, creativity and communication in the team
- Change in the cognitive performance of users
- Acceptance of the Open Space office concept



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# Get in Touch

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