

Integrated Greenery Systems Technical Specifications

PRODUCT SPECIFICATION SHEET

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Product Details

Versatile Mounting & Application

Product Features

Divider Details

Planter Details

Product Packaging



Integrated Greenery Systems

OVERVIEW

Superior Acoustic Performance

Integrated Greenery Systems are high-performance acoustic panel systems designed to enhance spatial acoustics with an NRC rating of 1.01+, delivering exceptional sound absorption while incorporating preserved natural materials for effortless biophilic benefits.

Pre-Engineered for Versatile Applications

Developed by Wildleaf LLC, Integrated Greenery Systems feature pre-engineered panels available in multiple sizes, materials, and frame options, ensuring consistent quality and streamlined installation for various architectural environments.

Multiple Mounting Solutions

Integrated Greenery Systems support various installation methods, including Z-clip wall mounting, magnetic attachment for dividers, ceiling suspension, and tabletop placement, allowing flexible integration across different design applications.

Modular & Reconfigurable Design

With its adaptable modular structure, Integrated Greenery Systems enable easy relocation and reconfiguration, supporting long-term flexibility in space planning. They integrate seamlessly with dividers, planters, and other modular elements for enhanced functionality.

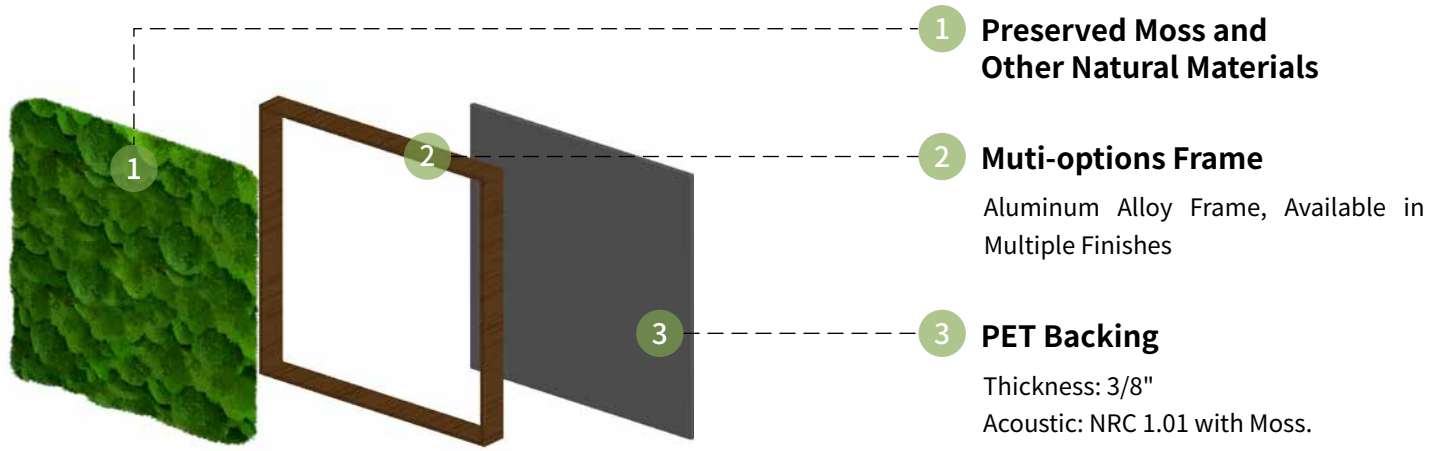
Zero Maintenance

Constructed with preserved natural materials, Integrated Greenery Systems maintain their aesthetic integrity with no watering, trimming, or upkeep required, offering a durable, low-maintenance biophilic solution for commercial interiors.

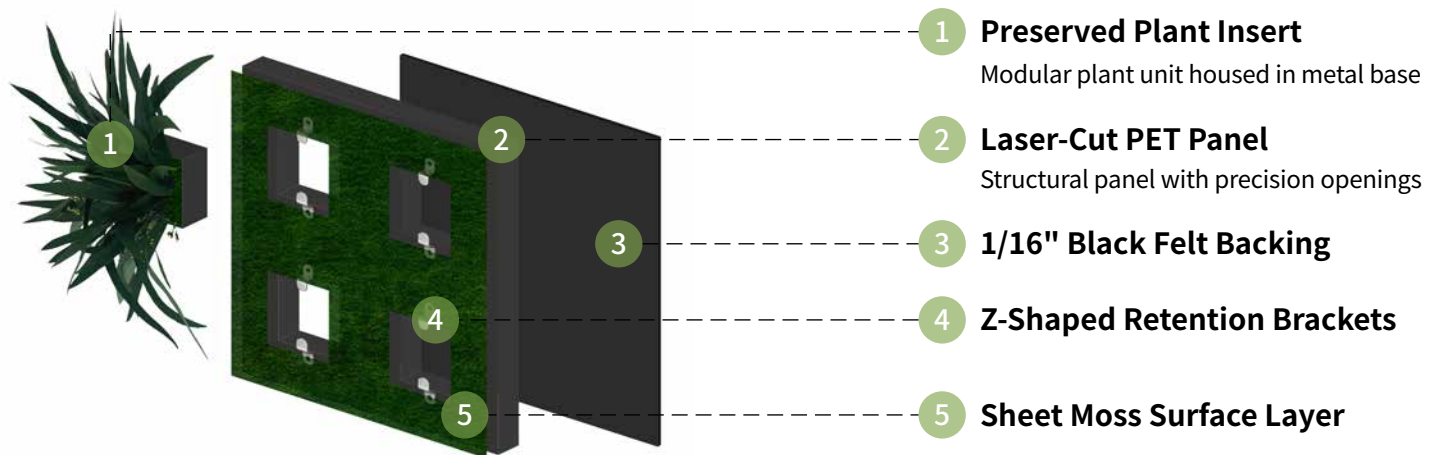
Integrated Greenery Systems

Product Composition

Standard Panel Composition Diagram

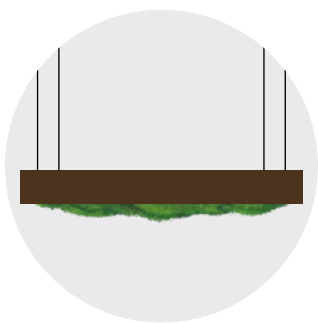


Preserved Greenery Module Assembly

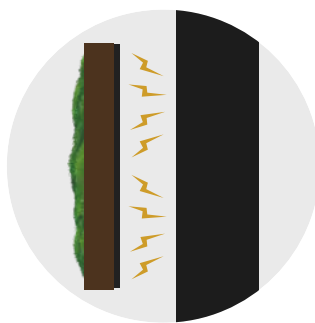


Multiple Application System

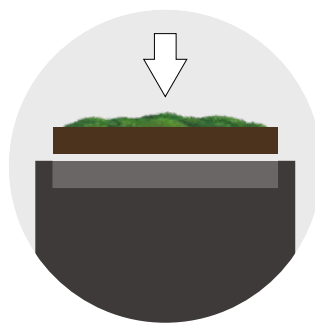
* See page 8 for details



Suspended
(Ceiling Mount)



Magnet-Mounted
(Divider Applications)



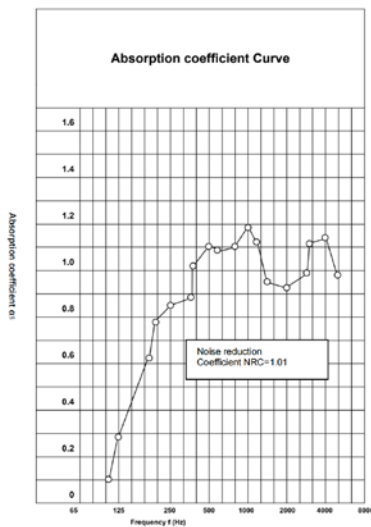
Freestanding
(Desktop or Planter Integration)

Integrated Greenery Systems

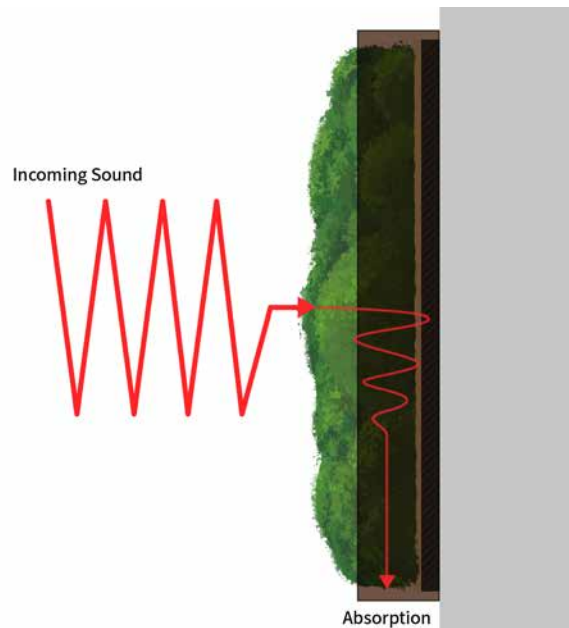
Product Details

NRC 1.01+ Acoustic Performance

By pioneering the integration of high-performance PET acoustic material with preserved moss, Integrated Greenery Systems achieve exceptional sound absorption. Tested in accordance with ASTM C423, it delivers an NRC rating of 1.01, surpassing the acoustic performance of over half of comparable products in the industry.



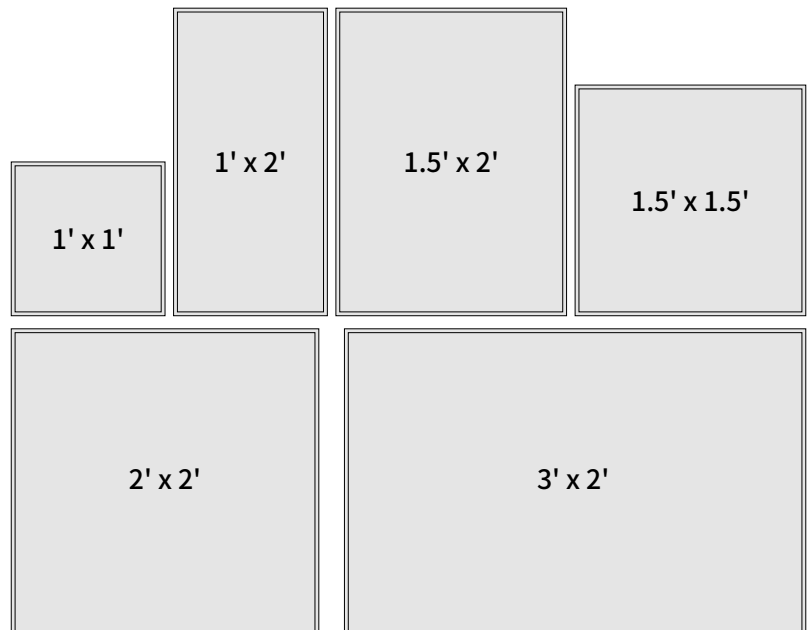
Frequency f/Hz	Absorption coefficient α
100	0.20
125	0.28
160	0.52
200	0.68
250	0.85
315	0.88
400	1.02
500	1.10
630	1.08
800	1.10
1000	1.18
1250	1.12
1600	0.96
2000	0.92
2500	0.99
3150	1.12
4000	1.14
5000	0.98



Remark:
The Noise reduction Coefficient NRC is the average of the sound absorption coefficient under frequency 250Hz, 500Hz, 1000Hz, 2000Hz: $(0.85+1.1+1.18+0.92)/4=1.01$

Panel Sizes

Integrated Greenery Systems Frame is available in multiple sizes, suitable for both individual use and modular configurations. Frames can be arranged in various layouts to adapt to different design and functional requirements.



Frame Options

Integrated Greenery Systems Frame is available in a variety of metal finishes and wood veneer options, allowing for flexibility in matching different interior styles. Frames can also be mixed and matched in different colors and materials, adding a distinctive and customized design element.

Additionally, we offer special frame options such as round-corner frames, backlit frames, and frames with a glass cover, all of which can be tailored to your specific needs.



Black

Silver

Rose Gold

Dark Walnut Grain

White Oak Grain



Round-Corner Frame

Backlit Frame

Front-lit Frame

Acrylic Covered Frame

Filling Material Options

Integrated Greenery Systems offer a range of natural material options beyond preserved moss, including preserved greenery and textured natural material. These materials can be combined for a more dynamic biophilic design, enhancing both visual and sensory impact.

Moss Type Options



Mood Moss

Bun Moss

Reindeer Moss in various colors

Textured Natural Material (Cork) Options

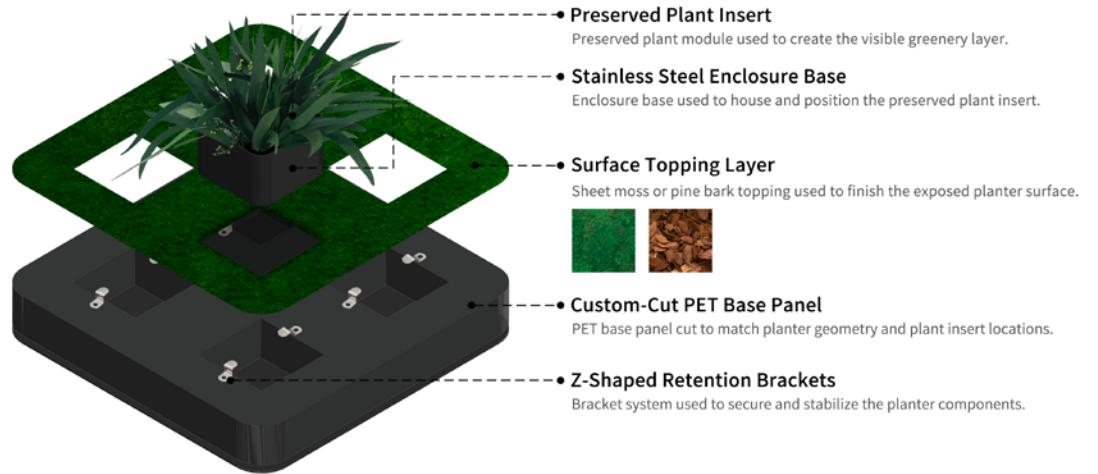


Natural cork bark

Embossed checkerboard cork

Linear-Grained cork sheet

Preserved Greenery Panel Details



A. Small Plant Modules — 11 Options

4 modules per 12" × 12" panel | Typical canopy: 8"-10" H × 8"-10" W



Silver Dollar Eucalyptus



Willow Eucalyptus



Parvifolia Eucalyptus



Japanese Andromeda



Osmanthus



Podocarpus Bush



Citrus Leaf



Grevillea Foliage



Gardenia Leaf



Peppergrass



Leatherleaf Fern

B. Large Plant Modules — 10 Options

1 module per 12" × 12" panel | Typical canopy: 12"–16" H × 12"–16" W



Silver Dollar Eucalyptus



Willow Eucalyptus



Parvifolia Eucalyptus



Ruscus Greenery



Foxtail Grass &
Willow-leaf Eucalyptus



Osmanthus



Podocarpus Bush



Grevillea Foliage



Peppergrass



Leatherleaf Fern

C. Drape Plant Species — 3 Options

Used at edges or as accent zones in combination with upright plant species.



Steel Grass



Asparagus Fern



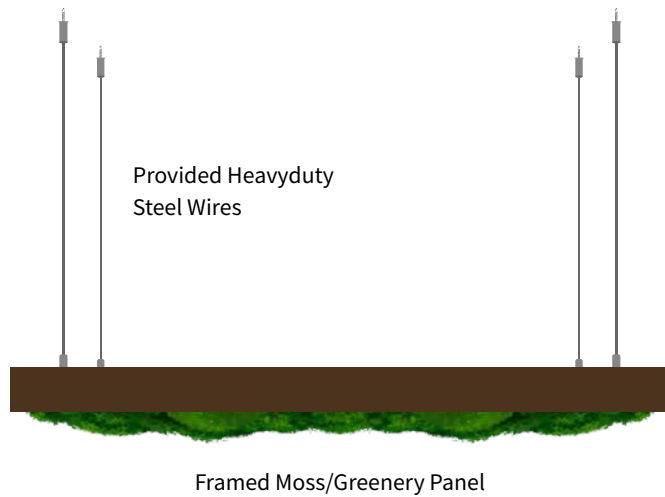
Amaranthus

Integrated Greenery Systems

Versatile Mounting & Application

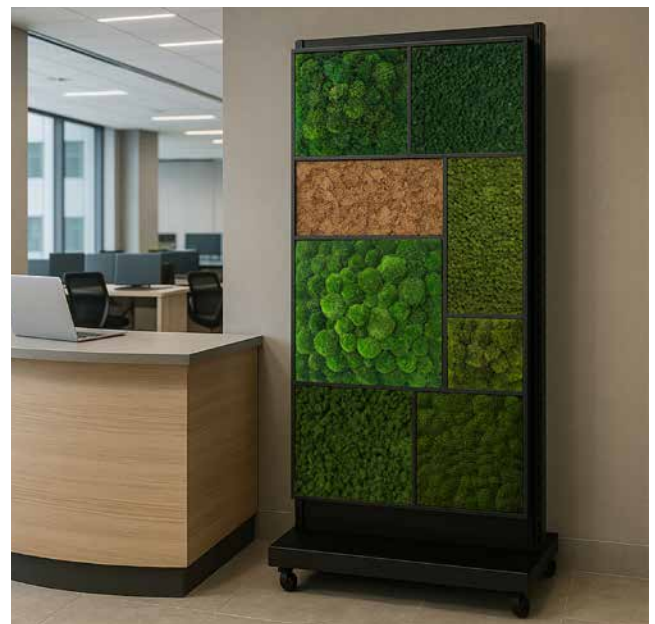
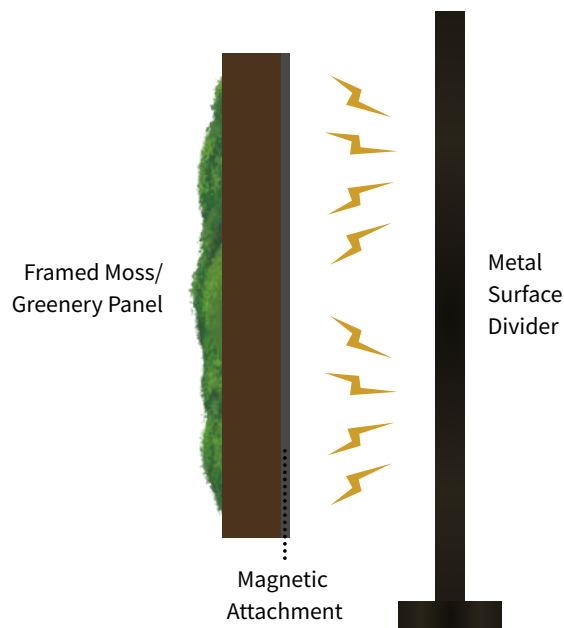
1. Suspended (Ceiling Mount)

Integrated Greenery Systems can be suspended from the ceiling using reinforced steel wires, creating a biophilic ceiling feature that enhances both aesthetics and acoustic performance. The four-point suspension system connects to mounting points at each corner of the panel, compatible with all AcustiNature panel sizes.



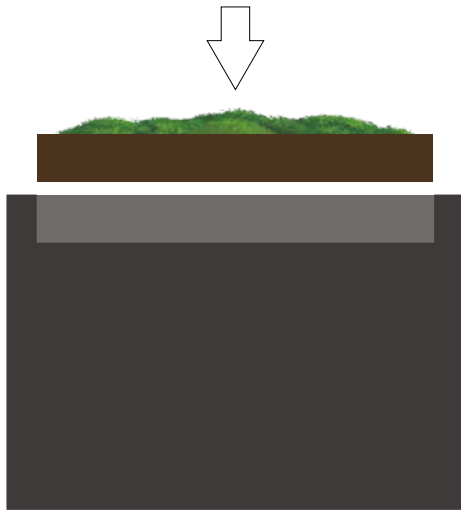
2. Magnet-Mounted (Divider Applications)

Designed for easy adhesion to metal surfaces, Integrated Greenery Systems can be mounted directly on metallic backgrounds. For wall installation, a metal strip must be pre-installed. It can also be paired with our Divider system, transforming into a Biophilic Divider for flexible spatial design.



3. Freestanding (Desktop or Planter Integration)

Integrated Greenery Systems can be used as a tabletop piece or combined with our Planter system, offering a modular, interchangeable biophilic interior solution that seamlessly integrates preserved natural materials.



Note:

For projects with multiple Integrated Greenery Systems frames of varying sizes and materials, we will provide a custom installation reference guide to assist in accurately positioning each frame according to the design layout.

Integrated Greenery Systems

Product Features



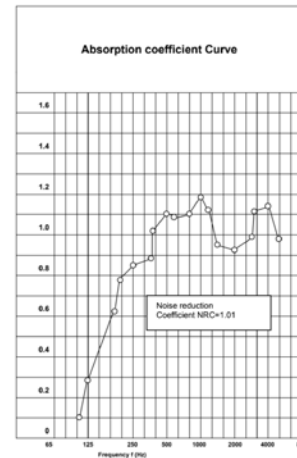
Fire Resistance

ASTM E84 Test Results: Class A



Acoustic Performance

ASTM C423 Test Results: Noise
Reduction Coefficient (NRC) of 1.01



Frequency f/Hz	Absorption coefficient α
100	0.20
125	0.28
160	0.52
200	0.68
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1600	0.96
2000	0.92
2500	0.99
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USGBC LEED v4 Credit Contributions

Integrated Greenery Systems can contribute to the following LEED v4 credits:

- MRc4: Building Product Disclosure and Optimization – Material Ingredients
- MRc3: Building Product Disclosure and Optimization – Sourcing of Raw Materials
- MRc5: Construction and Demolition Waste Management
- MRc6: Construction and Demolition Waste Management Planning
- EQc9: Acoustic Performance
- INc1: LEED Pilot Credit
- INc2: LEED Pilot Credit



Aesthetic Longevity

8-10 years under normal indoor environmental conditions



Color Retention

Preserved Natureal Material maintains its vibrant color palette without fading



Maintenance Requirements

- Watering: None required
- Sunlight: Not required
- Pruning: Not required



Backed by a 5-year Warranty

Guaranteed quality and peace of mind for half a decade.



Care Instructions

- Environment: Designed exclusively for interior applications
- Light Exposure: Avoid prolonged direct sunlight
- Humidity: Performs optimally in standard indoor humidity levels

Please refer to the comprehensive **Maintenance and Care Guide for detailed information.*

Integrated Greenery Systems

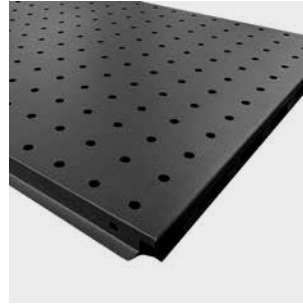
Divider Details

Integrated Greenery Divider systems are freestanding, dual-sided preserved greenery divider panels designed for flexible spatial zoning in commercial interiors. Divider configurations support acoustic comfort, biophilic integration, and reconfigurable space planning.

Backing Options



Dual-Sided Moss / Greenery



Galvanized perforated panel



Whiteboard

Base Support Options



Locking Caster Wheels



Fixed Aluminum Alloy Feet

Integrated Greenery Systems

Planter Details

Custom preserved greenery insert systems for commercial interiors—made with real preserved plant materials, not plastic foliage, and designed to integrate with planter layouts, furniture plans, and interior zoning needs.

Surface Topping Options



Sheet Moss



Pine bark

Support Hardware for Client-Provided Containers



Angled Support Bracket

Optional Planter Container Add-On

A. Panelized Planter Construction



Snap-Fit Assembly Detail



Assembled Planter Body

B. Standard Color Options



C. Planter Container Materials



Galvanized Steel



201 Stainless Steel



304 Stainless Steel

Integrated Greenery Systems

Product Packaging

Each Integrated Greenery Systems framed panel is securely packaged in custom-sized heavy-duty corrugated boxes to ensure safe transportation and handling. Packaging is designed to protect the panels from potential transit damage while maintaining structural integrity.

All necessary application-specific mounting hardware is included in the shipment, with components carefully packed alongside the panels. A detailed installation guide is provided to facilitate accurate and efficient installation upon delivery.



Heavy-duty corrugated boxes