

FlexMoss™

Technical Specifications

PRODUCT SPECIFICATION SHEET

Overview

Product Composition

Product Details

Product Features

Wall Installation

Optional Add-Ons

Product Packaging



FlexMoss™

OVERVIEW

Flexible Design for Complex Surfaces

FlexMoss™ features FlexBend Technology, allowing panels to conform perfectly to curved surfaces and complex structures, creating continuous natural landscapes adaptable to diverse architectural applications—all while requiring zero maintenance.

Lightweight & Acoustically Effective

Tested for fire safety compliance and exceptional acoustic performance, FlexMoss™ offers a lightweight, non-load-bearing solution ideal for temporary installations and adaptable applications.

Customizable with Over 30 Color Options

With over 30 reindeer moss color choices, FlexMoss™ provides unparalleled design flexibility, enabling fully customized architectural expressions that integrate seamlessly into diverse interior spaces.

Soft-Touch & Easy Installation

The plush, velvety texture of FlexMoss™ enhances sensory experiences, adding depth to interiors. Equipped with adhesive felt backing, it ensures quick, hassle-free installation on virtually any surface, making it an ideal solution for signature commercial environments.

FlexMoss™

Product Composition



FlexMoss™

Product Details

Backing

Soft and bendable for curved surfaces, self-adhesive for easy installation, and enhances acoustic performance.



Texture and edging

- Plush reindeer moss with a natural, velvety feel.
- The Reindeer Moss Wall features meticulous moss-wrapped edges, ensuring a seamless side profile. This precision eliminates visible imperfections, presenting an immaculate finish crucial for design excellence.



Custom Sizing

Max Panel Dimensions:

8' x 3', 12' x 2'

8' x 3'

12' x 2'

Min Panel Dimension:

1' x 1'

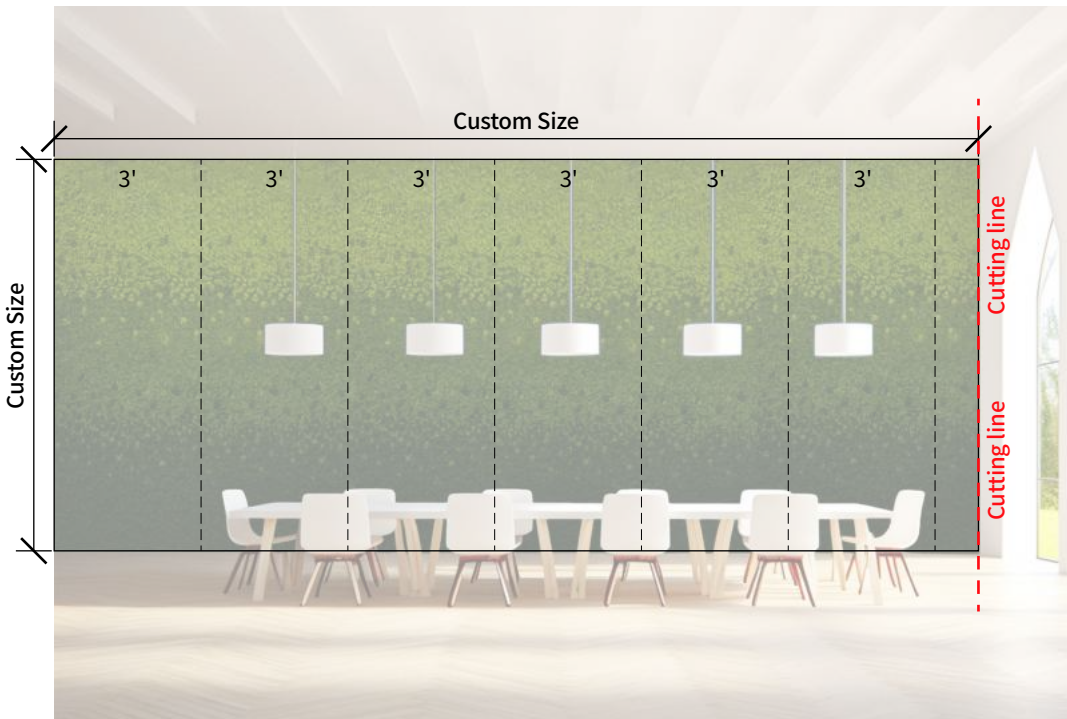
1' x 1'

Sample Size:

3" x 3"

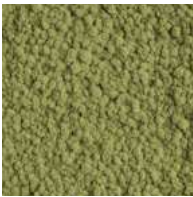
3" x 3"

Customized projects can accommodate any **required dimensions**, tailored to meet specific design and spatial needs. All custom panels will be **pre-cut** to the exact specifications before delivery, ensuring a precise fit. Each panel will be **clearly labeled** with corresponding numbering, and a detailed **installation instruction** will be provided to ensure accurate placement and seamless integration.



Colors

With 30 standard color options and the ability to provide exclusive custom shades for large-scale projects, our Reindeer Moss wall offers a vibrant spectrum of choices to enhance any setting.



G1
Mountain Green



G2
Olive Green



G3
Forest Green



G4
Emerald Green



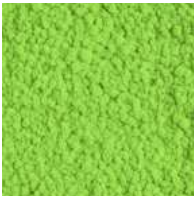
G5
Lime Green



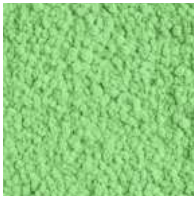
G6
Meadow Green



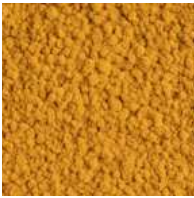
G7
Chartreuse Green



G8
Minty Breeze Green



G8-1
Fresh Mint Green



Y1
Apricot Haze Yellow



Y2
Golden Ray Yellow



Y3
Sunlit Beige Yellow



R1
Coral Red



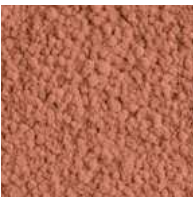
R2
Raspberry Red



R3
Peachy Red



R4
Blushing Rose Red



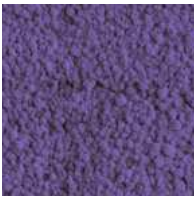
R5
Papaya Punch Red



R6
Carmine Spark Red



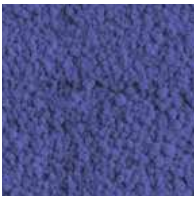
R7
Autumn Blaze Red



P1
Grape Purple



P2
Amethyst Purple



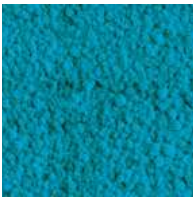
P3
Lilac Purple



P4
Orchid purple



B1
Cobalt Blue



B2
Tint Blue



B3
Turquoise Blue



D1
Chestnut Brown



D2
Cacao Brown



D3
Pitch Black



D4
Misty Grey



W1
Whispering Mist White



Green Gradient



Blue Gradient

FlexMoss™

Product Features



Fire Resistance

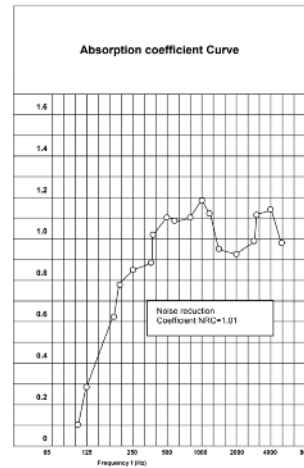
ASTM E84 Test Results: Class A



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
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



USGBC LEED v4 Credit Contributions

FlexMoss™ panels 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 Reindeer moss 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

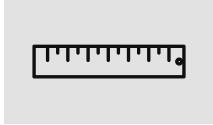
- Environment: Designed exclusively for interior applications
- Light Exposure: Avoid prolonged direct sunlight
- Humidity: Performs optimally in standard indoor humidity levels

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

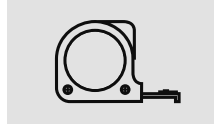
FlexMoss™

Wall Installation

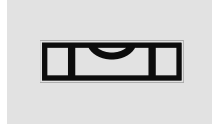
Tool Required



Level

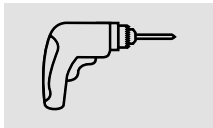


Measuring tape

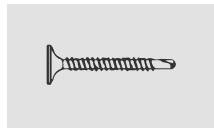


Building level

Tool Recommended



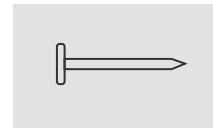
Cordless screwdriver



Screws



Air Nail Gun



Nails

Installation Guidelines

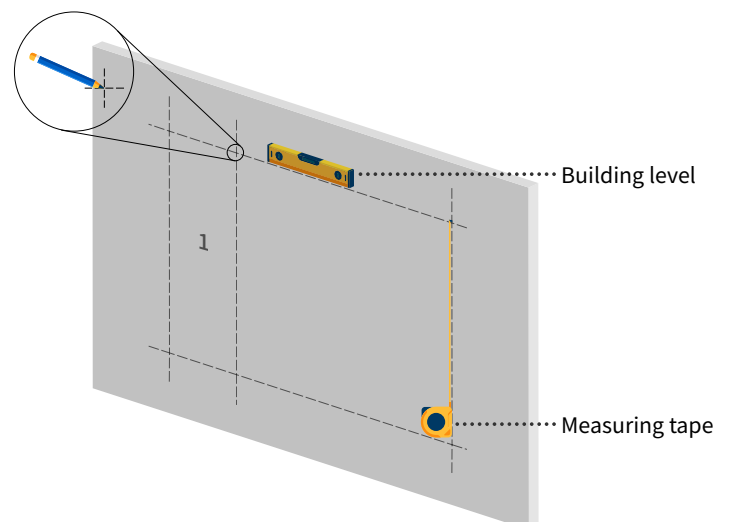
1. REFERENCE THE NUMBERING AND DIRECTIONAL MARKS

Refer to the instruction manual for moss panel numbering and arrows. Match the numbers and arrows on the back of each moss panel, ensuring the correct order and direction.



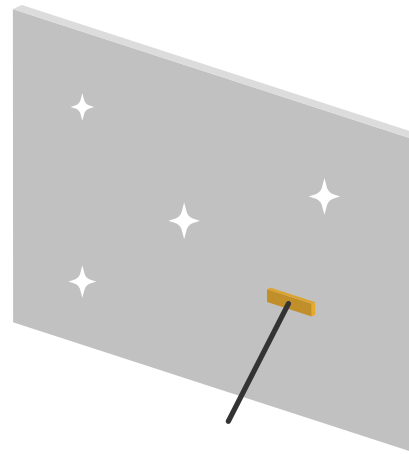
2. MEASURE AND MARK INSTALLATION POSITIONS

Use a ruler and level to measure and mark the corresponding positions on the wall for each moss panel, ensuring precise installation.



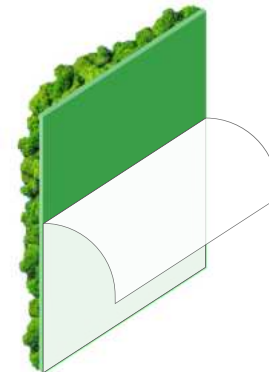
3. PREPARE THE SURFACE

Thoroughly clean the wall and ensure it is dry, dust-free, and the surface is even, with no debris that could compromise installation quality.



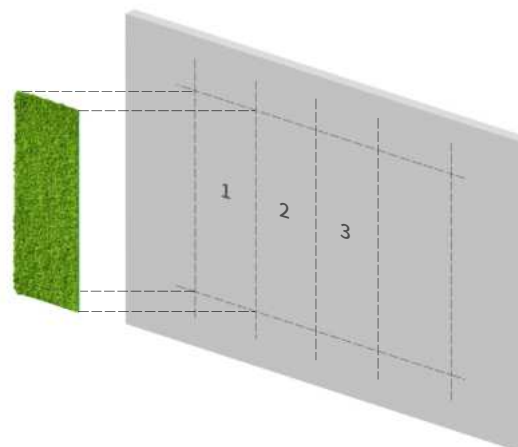
4. REMOVE PROTECTIVE BACKING

Remove the white protective film from the back of each moss tile to expose the adhesive backing.



5. INSTALL PANELS SEQUENTIALLY

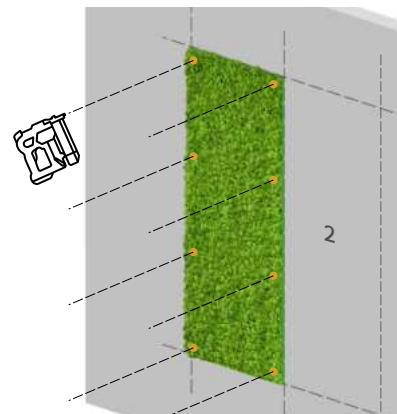
Carefully apply each moss tile to the designated position on the wall, one panel at a time, ensuring proper alignment.



6. SECURE INSTALLATION

While the felt backing provides good adhesion, it is necessary to use an air nail gun for double security, ensuring long-term stability of your installation.

Note: For **FlexMoss™ panels** with Add-Ons, the add-ons will be **pre-installed onto the panels** before shipment. Please refer to the **specific project installation manual** for detailed installation steps.



FlexMoss™

Optional Add-Ons

*For a wider selection of materials, please see the Add-On Specs.

Custom Logo



PVC / Acrylic



Stainless Steel

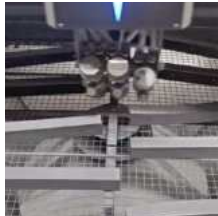


Wooden



Illuminated

Metal Map



Laser-Cut



Grinding



Powder Coating



Install

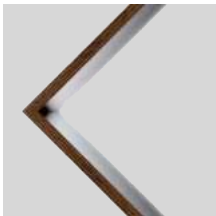
High-Quality Aluminum Alloy Frame



Matte Colors



Metalic Colors



Wood Grain Colors

FlexMoss™

Product Packaging

FlexMoss™ is packaged in custom-sized heavy-duty corrugated boxes. Each FlexMoss™ panel is rolled and securely placed inside the box, ensuring safe transport and protection during shipping.

FlexMoss™ panels with Add-Ons, the Add-On components will be packaged separately in a wooden crate to ensure their safety during transit.



The rolled up FlexMoss™ panel



Heavy-duty corrugated boxes