



Gardening On Walls

PRODUCT DATA SHEET: PRESERVED MOSS

Gardening On Walls is a premier manufacturer of preserved, live, and artificial plant art. Besides doing design and manufacturing we also install our products across the United States.

Established in 2015, we are led with talent from the construction, landscaping, and business industries. Our suppliers are some of the best in the world as we focus on ecologically harvested mosses, recycled plastic products, and pull from nurseries with sustainable practices.

Our clients range from the Denver Four Seasons to Post Brothers in Philadelphia, PA to Comcast, Spectrum, Microsoft, The North Face, and multiple luxury restaurants and offices across the US. We are always happy to send you references.

A. Product: Preserved Moss Wall

Preserved moss walls are 100% natural products that have undergone a preservation process to maintain their beauty and freshness with no need for water, pruning, or sunlight. Therefore, they do not grow as the preservation solution stops all biological processes that promote the plant's aging.

However, they are not artificial. Although the product goes through a transformation process that stabilizes the natural plant, our processes don't use any kind of components typically found in artificial flowers, such as plastic or synthetic fabrics.

Furthermore, they are non toxic.

B. Materials

a. Moss

- i. The moss is harvested at the ideal point in terms of natural beauty from one of several mosseries in the United States and Europe. The freshly harvested plant enters a proprietary process to absorb a specific mixture of preservation liquid and dye.

The preservation liquid replaces the sap and water within the plant, effectively forming a still-image of nature, creating a unique and 100% natural product. The preserved flowers and plants remain beautiful and unchanged for years without watering, light and virtually maintenance-free.

b. Preservation Liquid: Glycerin

- c. Dye: Food grade dye to keep the moss and plants vibrant and green.



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- d. MDF Board: A panel product manufactured from ligno-cellulosic materials, with the addition of a synthetic adhesive, under heat and high pressure. (Full spec sheet available upon request).

COMPONENTS	% SOLIDS	CAS #
Ligno-celulosic Materials	88 - 92%	--
Urea Formaldehyde Resin	8 - 10%	25036-13-9
Wax Paraffin	0.1 - 1.0%	8002-74-2
Melamine Content	< 0.5%	108-78-1
Formaldehyde Content	<0.1%	50-00-0

- e. Adhesive: TEC Bond 240 is a clear, multi-purpose adhesive excellent for bonding wood, ceramics and light metals. This is not a wet adhesive applied on site, it is fully dried and hardened when it arrives on site.

Contains thermoplastic polymers, tackifying resins, and antioxidants. Contains no dangerous ingredients or impurities (Full spec sheet available upon request).

- f. Fire Retardant (customer must request this material): An innovative environmentally friendly clear fire retardant for applications over water absorbent substrates. Water-based, non-corrosive, and non-toxic.
- i. Free of bromides, halogens, organic compounds and other banned or toxic substances. Non-toxic to humans and the environment; no toxic fumes or smoke released.
 - ii. When fire is present, treated materials will not ignite or spread flame. Fire is limited to its initial fuel source; afterglow is eliminated.
 - iii. Non-Corrosive.
 - iv. Ratings Achieved (Full spec sheet available upon request).



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MATERIAL	RATING
Wood	E84/UL 723. Class A
Cellular Fibers	NFPA 701
Leather	NFPA 701
Natural/Synthetic Blend Fibers	NFPA 701
Synthetic Fibers	NFPA 701

C. Fabrication Methods

Our moss art panels are created with a laborious attention to detail. The design process may take up to several weeks to ensure the client receives exactly what they are looking for.

From there we will create a one-of-a-kind work of art. While each piece varies in terms of how long it takes to complete, typically we will finish 50 square feet in two weeks as the moss and plants require several iterations of gluing and seaming to the mdf boards. If multiple panels are required for installation due to the size of the product, the moss will be crafted so that we can seam the edges on site, so onlookers will not be able to see where the sheets of moss connect. It will look like one seamless sheet of moss to them.

D. Care Instructions

- a. While preserved plants and moss are long lasting and maintenance free, please ensure the durability of the preserved plants by practicing proper care and use of these products.
- b. Avoid:
 - i. Direct sunlight.
 - ii. Humidity above 80%.
 - iii. Watering or placing the product in water.
 - iv. Crushing or bending the preserved moss or plants.



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- v. Positioning moss walls in front or next to heater vents. The constant flow of heat will damage the preserved moss walls.

- c. Keep indoors at all times - NOT AN OUTDOOR PRODUCT.

- d. To prolong the life of the preserved moss and plants:
 - i. Provide occasional (1 - 2x per year) removal of dust, ideally with a canned air spray and at a distance of at least 6 inches from the plants and moss.

E. Display and Position Recommendations

- a. We highly recommend having LED lights pointed at the moss art to highlight its features. Think of it like a piece of artwork, therefore, giving it the proper lighting will ensure it receives the attention it deserves.

THANK YOU!

We look forward to working with you.

The Gardening On Walls Team