

EW3636

EcoWall Standard Living Wall Module

U.S. Patent No. 9,462,755

DESCRIPTION

The EW3636 is a modular, hydroponic, vertical planted panel designed to accommodate long-term plant growth and reduce plant replacement. The product incorporates a proprietary blend of inorganic and light-weight growing medium which will not readily decay or breakdown; as compared to conventional soil-based systems. The growing medium retains an optimum blend of nutrients and oxygen, sustaining ideal conditions for a diverse array of plant species. The product design promotes flexibility in plant placement by allowing the plant material to be positioned anywhere in the module; as compared to other systems which confine the plants to their original container or smaller compartments within the module. Additionally, free-root migration is encouraged throughout the entire module; allowing the plants to achieve a mature size and extended life expectancy while drastically reducing plant replacement rates. The EW3636 modules connect together to create a seamless living wall; providing a sustainable foundation for a variety of unique and verdant plant species.

SPECIFICATIONS

- **Nominal Dimensions:** 35-3/4" (90.81 cm) L x 35-1/2" (90.17 cm) H x 5" (12.70 cm) W
- **Dry Weight:** 29.5 lbs (13.38 kg)
- **Peak Saturated Weight:** 108 lbs (48.99 kg)*
**max weight varies with plant material selection*
- **Water Usage:** 0.14 - 0.21 gpm/module
- **Plant Material:** 40-45 plants grown in 4" containers (must have established roots, healthy crown, and free of disease and pest insects)

PRODUCT MATERIALS

- **Modular Shell:** Rotational Molding LLDPE
- **Inorganic Wicking Medium:** Hydrophilic Foam / Mineral Wool
- **Nutrient Transfer Matrix 1:** Polyester Fiber / Staple
- **Nutrient Transfer Matrix 2:** Recycled Polyester (PET) Fiber
- **Inorganic Planting Matrix:** Open-celled Foam
- **Internal Drip Irrigation:** 1/4" polyethylene tubing containing 1/2 gph pressure compensation drip emitters; 1/2" polyethylene tubing, polypropylene/ acetal fittings with food grade EPDM O-rings
- **J-Channel Brackets:** 20 GA. galvanized steel
- **Hardware:** Stainless Steel 18-8, 1/4"-20 machine screws, washers and nuts

SITE REQUIREMENTS (PROVIDED BY OTHERS)

- Load Requirement = 15 lbs/ft²
- 3/4" Marine Grade Plywood attached to structural wall
- Waterproofing Membrane (Subseal 40 or equivalent) over plywood
- Optimal Building Operating Water Pressure: 40-60 psi

MOUNTING

The EW3636 readily fastens to a building façade and other vertical structures with a dual J-Channel cleating system for ease of installation. The J-Channel brackets may be mounted to a structure (ie. wood stud, metal stud, concrete, etc.), with appropriate fastening hardware, in the opposing direction of the module's J-Channel brackets in order to receive the module. Once hung, the modules are then shifted into place so that the module's tongue-and-groove mechanisms are interlocked.

LISTINGS / WARRANTY

- Materials Meet OSHA Hazard Communication Standard 29 CFR 1910.1200
- Made in USA
- Warranty: EcoWalls®, LLC, guarantees the EcoWall, Living Wall System (Product) was made in accordance with industry standards and extends a Limited Warranty to the Original Purchaser (Buyer) of the product against defects in materials and workmanship for a period of 3 years from the date of purchase provided the Product is installed and maintained by a Certified Contractor for the term of the warranty.

Specifications are subject to change without notice. Installation must be performed in accordance with EcoWalls installation instructions.

PRODUCT DATA SHEET



- ① Modular Shell
- ② Inorganic Wicking Medium
- ③ Nutrient Transfer Matrix 1
- ④ Nutrient Transfer Matrix 2
- ⑤ Inorganic Planting Matrix
- ⑥ J-Channel Brackets
- ⑦ Internal Drip Irrigation
- ⑧ Plant Material

DIMENSIONS

