



The EcoWall

URBANSTRONG

The lushest, most striking, efficient, and healthy living wall solution on the market

No soil. No restrictive cubbyholes or pockets. Highly flexible planting design

Award-winning water and energy efficiency. Made from recycled materials and 100% recyclable

Pre-grown panels provide instant full coverage

Remote-monitored automatic irrigation

Ultra fast installation
Ultra low maintenance

Ultra happy clients



- 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

Panel Features & Specifications

Panel specifications:

- LDPE Shell Nominal Dimensions: 36”L x 36”H x 5-1/4”W
- Dry Weight: 29.5lbs, Peak Saturated Weight: 108 lbs
- Water Usage: 0.14 - 0.21 gpm/module
- Plant Material: holds 40-45 plants grown in 4” containers

Proprietary growing media contains blend of inorganic lightweight materials that will not decay or breakdown over time. Maintains optimum levels of oxygen and nutrient solution to sustain lush and healthy plant growth with minimal maintenance.

Increased design flexibility. Planting substrate and plantable surface span entire wall allowing for an array of plant species and pot sizes. No cramped cubbyholes or pockets means ample room for plant root migration. This prevents roots from compacting over time and reduces plant replacement rates.

Self-automated watering system with internal drip irrigation to ensure adequate water and low plant maintenance. Design allows for free water transfer between panels and prevents water damage to a building's facade. Option of open loop (non-recirculating, direct-to-drain) or closed loop (recirculating) irrigation applications. Remote monitoring for peace of mind. 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

Panels can be planted on-site or pre-grown in our greenhouse prior to installation. Able to cater to client's schedule and provide instant full coverage with a lush living wall.

Designed for easy installation, the modular nature allows panels to quickly hang (using 20 GA. galvanized steel J-channel mounting brackets) and fasten together to create a seamless tapestry of plants. Eliminates the inconvenience and cost of extensive construction procedures of some other systems.

Reduced Maintenance. System designed with sustainability in mind. Lower plant replacement rates and requires fewer site visits, compared to competing systems, lowering overall costs.

Site Requirements (by others)

- Load Requirement = 15 lbs/ft²
- 3/4” Marine Grade Plywood attached to wall and covered with waterproofing Membrane (Subseal 40 or equivalent)
- Optimal Building Operating Water Pressure: 40-60 psi
- Light fixtures on a dedicated circuit timer providing a minimum of 150-foot candles across entire vegetative surface 10-12 hours per day (Urbanstrong can advise)

Approximate Costs

- Supplied & Installed: \$180-\$250/sqFt
- Maintenance: \$2.00-\$4.00 /sqFt/month
- Not included in pricing: site prep (plumbing, electrical, carpentry) and auxiliary lighting