

SECTION 5: SUPPORT PRACTICES

ELT Easy Green Custom Vertical Panels

DESCRIPTION

The ELT EasyGreen® Living Wall System is made out of the ELT EasyGreen® modular living wall panel product (refer to ELT Living Wall panel for description). The living wall system can be installed in both indoors and outdoors projects. The easy application of the living wall module makes it simple to design the most creative and customized systems.

FUNCTION

The ELT EasyGreen® Living Wall System provides numerous benefits: from energy savings by cooling down the interior of a building to protecting the structure of the wall from weather and sun light damage. The vegetated modules provide temperature regulation, reduction of storm water run off, air improvements such as reducing the Urban Heat Island Effect in cities as well as benefits for the environment by creating ecological habitats.

MATERIAL SPECIFICATIONS

The ELT EasyGreen® Living Wall System is a combination of multiple components:

- HDPE Living Wall Panel
- Mounting hardware
- Irrigation system
- Growth Medium
- Vegetation

Optional Components:

This section is related to optional components that can be added to the ELT EasyGreen® Living Wall Systems.

- ELT EasyGreen® Edging Details
- ELT EasyGreen® Irrigation Diversion Channel
- ELT EasyGreen® Living Wall Growth Medium Stabilizers
- ELT EasyGreen® Living Wall Panel Extension
- Grow Lights

INSTALLATION

1. The brackets or support structure must be mounted to the wall using appropriate fasteners

to support the load of the living wall when fully saturated.

2. The Living Wall Panel's are picked up and hung directly on the appropriate brackets or support structure.
3. Irrigation emitter is installed along the collection chamber on each panel.
4. Fasteners are installed in the fastener channel as required.

ELT Living Wall panels are pre-vegetated before installation.

PRODUCT DATA

Fire Rating: Class "B"

UV Resistance: Approved

Thermal resistance: -40°C (-40°F) to 80°C (176°F)

Water Retention: Dimension: 12" (300 mm) x 12" (300 mm) x 4" (18 mm)

Saturated Weight: Average: 15 lbs/ft²

Warranty Period: Annually renewable full system warranty and maintenance (including vegetation) program available through ELT approved contractors.

STORAGE

Store the panels in a dry location out of direct sunlight with original packaging. Vegetated panels must be protected from rapid temperature changes of more than 15°C/hour (59°F/hour). All vegetation is to be installed within two (2) days of being delivered



*If storage is not possible, section above, please contact ELT EasyGreen® for further instructions.

PRECAUTIONS

1. Exercise caution when lifting, moving, transporting and handling the panel to avoid damage on the vegetation carrier components.
2. Please refer to your ELT EasyGreen® Certified Contractor for specific recommendations regarding the installation procedures.

ADDITIONAL INFORMATION

For other references on this topic, including additional research reports and trade magazine and press coverage, visit the Filtrexx website at www.filtrexx.com

Filtrexx International, Technical Support
61 N Clev-Mass Rd, Ste E, Akron, OH 44333
877-542-7699 | 234-466-0810 (fax)
www.filtrexx.com | info@filtrexx.com
Call for complete list of international installers.

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TABLES & FIGURES:

Figure 8.1. Design Drawing for ELT Easy Green

