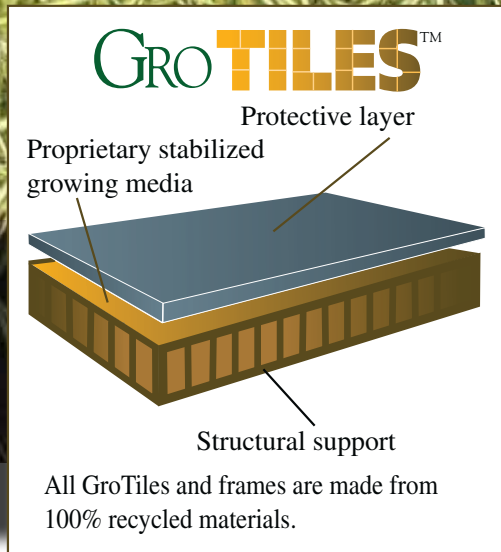


# ihort GroTiles™

*The Botanical Cladding™ solution for Living Walls and Green Roofs.*



Patent Pending

## IHORT GroTiles™

The ideal stabilized growing media for Botanical Cladding of building Green Roofs and Living Walls. The robust fortified layered construction provides a strong, permanently ridged long term growing environment. This extra strength allows the GroTiles to be a long term solution for the Living Roofs and Growing Walls. Systems come complete and with or without vegetative materials.

**ihort.®**  
INTERNATIONAL HORTICULTURAL TECHNOLOGIES

# IHORT GroTiles™

**1. Growing Media:** A carefully engineered stabilized growing media, developed to hold its shape and moisture. The stabilized media is known worldwide as the Q-Plug, famous for its revolutionary long term growing and easy handling characteristics. The Q-Plug has changed the way plants are grown and handled throughout the world.



**3. Watering:** Watering may be done overhead or subterraneously. Since the growing media is sponge-like the GroTiles will hold 5.5 times their weight in water.

**2. Structural Support:**

Allows the GroTiles to be easily transported, installed and stay in place once planted. For extra LEED Points the GroTile can be grown locally and is designed to fit any nursery's growing benches, racks and boxes for easy plant growing and fast and easy delivery. Enables simple installation, even on difficult roofs.

**5. Ready to grow:**

Pre-drilled plant openings can grow all types of plants and grasses.

**4. Protection Layer:** Insures uniform water distribution, reduces water evaporation, helps eliminate wind drying, helps extend life of the tile, and adds additional LEED points.

**GroTile Specifications:**

Size: 10" x 20", 1.4 cubic feet  
Weight: 2.5 lbs dry, 15.5 lbs saturated  
Dry weight per square foot: 1.8 lbs.  
Saturated weight per square foot: 11.10 lbs.  
All GroTiles and frames are made from 100% recycled materials.

## LEED Points

• GroTiles can assist architects to obtain LEED Points. A partial list of the LEED Points that the GroTiles are eligible for are:

1. Sustainable Sites
2. Storm Water Design
3. Heat Island Efficiency
4. Energy and Atmosphere
5. Recycled Content
6. Regional Materials
7. Rapidly Renewable Materials

In total these credits can add up to over **20 LEED Points.**

# Living Wall Panels

- GroTiles can be made in many shapes and sizes making them the ideal stabilized growth media for flexibility in Living Wall and Growing Roof requirements.
- GroTiles can be applied to vertical conditions without erosion problems.
- GroTiles can assist architects to obtain LEED Points.



1



2



3



4



5

1. Growing in Coconut husk covered GroTile.
2. Recycled plastic framed units in one, two and four tile format.
- 3/4. Examples of rigid GroTile pre-filled with Q-Plug growing media.
5. The metal frames are used for the commercial walls and are only custom made.

Green Roof Panels on reverse side.

**ihort.**

INTERNATIONAL HORTICULTURAL TECHNOLOGIES

# Green Roof Panels

- GroTiles can be made in many configurations just for your special requirements, making the GroTiles the ideal stabilized growth media for flexibility in wall requirements.
- GroTiles can be applied to vertical conditions without erosion problems. Tiles come with two very different protective coverings. The long term gray filter cloth and the natural Coco fiber for a more rustic look.



1/2. Plastic or metal frames can be expanded in any direction to accommodate any number of GroTiles. Depending on location, tiles can be laid with or without frames.

3. GroTiles come pre-drilled for easy insertion of plant material. Felt protective top shown.

4. Coconut fiber protective layer insures uniform water distribution, reduces water evaporation and helps eliminate wind drying.

5. Recycled plastic frames contribute to increased LEED Points. Units can be made in any length needed.

**ihort.**<sup>®</sup>

INTERNATIONAL HORTICULTURAL TECHNOLOGIES  
Hollister, CA

831-637-1800 • [www.ihort.com](http://www.ihort.com)