INSTRUCTIONS FOR YOUR ECO-POT

VERDE MODULAR®
HACIENDO CIUDADES VERDES

FLOOR ECO-POT

The floor **eco-pot** has an innovative design that allows it to adapt to the surface where it is placed, it stores up to 1.3 gallons of water in each **eco-pot** (9.51 gallons / 10.75 square foot), thus becoming the green roof system with the largest storage capacity of water (rain) and self-irrigation in the world.

The design of its "legs" allows air and water to flow under the **eco-pots**, thus avoiding the possible generation of humidity and without compromising the proper function of the building's roof drainage systems thanks to the anti-corrosion drain system. Special Rainstorm design that prevents the overflow of the substrate.

INSTALLATION AND ASSEMBLY

1 The **eco-pot** is made up of three pieces: inner container, pipettes (6 pieces) and outer container.

2 Fill the pipettes with the substrate by hand (you can us a pencil or another pipette to help fill them up).

3 Insert the 6 pipettes (already with substrate) into each of the holes inside the inner container.

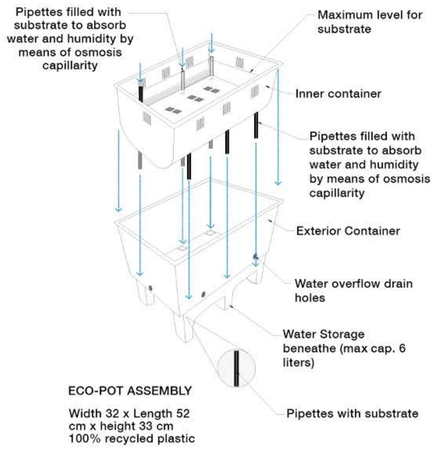
4 Assemble (insert) the inner container into the outer container.

5 Spread and fill the **eco-pot** with substrate, inside the inner container there is a line (marked) that delimits the maximum level of substrate.

6 Plant by opening small holes by hand or with the help of a garden spade to plant each of the chosen species.

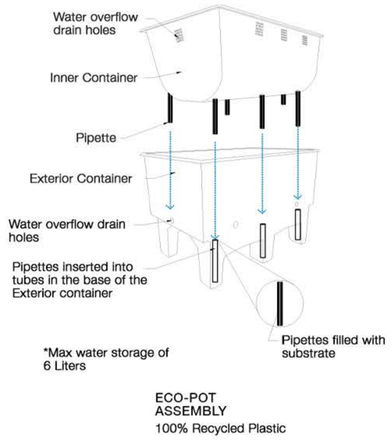
7 Water with plenty of water (no more than 1.31 gallons)

8 Locate in the ideal part of our house, office, terrace, or roof garden.



ECO-POT ASSEMBLY

Width 32 x Length 52 cm x height 33 cm
100% recycled plastic



*Max water storage of 6 Liters

ECO-POT ASSEMBLY
100% Recycled Plastic

ADVANTAGES

- Does not require special structural preparations prior to installation
- Thanks to its design, the supports (legs) do not damage the waterproofing of a roof
- They do not generate humidity as they allow air and water to flow freely under the **eco-pots**
- Each floor **eco-pot** can store 1.31 gallons of water allowing the substrate and plants to absorb the water stored in each tank (9.51 gallons / 10.75 square foot)
- Less irrigation compared to other systems
- The **eco-pots** have drains in the upper part that prevent water and/or substrate overflow in case of Rainstorms.
- This modular system can look lush from day 1 of its installation thanks to the fact that it has a large capacity of substrate per **eco-pot** (4.39 gallons / **eco-pot**)
- Floor **eco-pots** qualify for certifications such as (LEED, Well, PCES, and other certifications)
- They are made with 100% recycled material
- The modular nature of the system allows to control costs, quantify inputs and design in detail the placement by type of plants.
- The floor **eco-pots** have an integrated irrigation system, reducing maintenance and favoring a good development of the plants.
- It is ideal for creating urban farms.

WALL ECO-POT

The wall **eco-pot** has a unique design in the market that allows the use of mature plants thanks to its large substrate capacity in each module, creating leafy walls from the beginning of its set up and placement. Each **eco-pot** has its own water tank and a "cascade" irrigation mechanism, thus reducing the maintenance and irrigation of the plants, optimizing the consumption of water and energy.

Each square meter of green wall can store approximately 2.86 gallons of water, making it the system with the largest water storage and self-irrigation capacity in the world. The modular design of the wall **eco-pots** allows the installation to be adapted to the characteristics of the wall where they will be placed (height and width).

INSTALLATION AND ASSEMBLY

1 The **eco-pot** is made up of three pieces: inner container, pipettes (4 pieces) and outer container.

2 Fill the pipettes with the substrate by hand (you can use a pencil or another pipette to fill the pipettes).

3 Insert the 4 pipettes (already with substrate) into each of the holes inside the inner container.

4 Insert the inner container to the outer container.

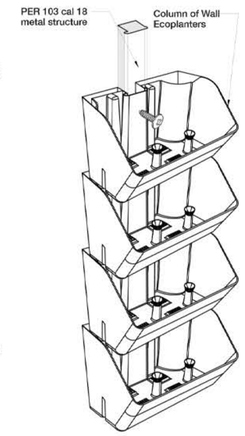
5 Spread and fill the **eco-pot** with substrate, leaving at least one finger width free of substrate from the outer edge.

6 Plant by opening small holes by hand or with the help of a garden spade to plant each of the chosen species.

7 Water with plenty of water (no more than 0.24 gallons).

8 Locate in the ideal part of our home, office, terrace, or roof garden.

9 The **eco-pot** can be assembled in two ways:



A Independently: directly to the wall since it has two Screw holes, it is fixed with two screws and plugs by placing washers in the outer container.

B In a rack structure (one on top of the other): the best way is to hire a specialist technician. The installation requires a metal Profile 103 model metal frame (you can find it in any hardware store, a screw must be placed in the first pot and then every 3 pots (count from the First to the Fourth wall eco-pot). A drill, screw and washer are required for each one. There is no height specification can be the size as required.

ADVANTAGES

- Easy and quick installation since wall **eco-pots** can be planted prior to installation.
- Each wall **eco-pot** can store 0.24 gallons of water allowing the substrate and plants to absorb the water stored in each tank.
- The wall **eco-pots** have an integrated irrigation system, thus reducing the cost and irrigation facilities.
- This system can look lush from day 1 of its installation thanks to the fact that it is the system for green walls with the highest substrate capacity.
- The size of the **eco-pot** provides an excellent natural growth of the plant with a large foliage itself that will hide the modular system leaving only the foliage of the plants visible.
- Less irrigation compared to other systems.
- The rigidity of the **eco-pots** as well as the ability to disassemble them if necessary, allows a longer useful life for the green wall compared to any other system.
- Does not require pumping for water recirculation.
- The modular nature of the system allows to control costs, quantify inputs and design in detail the placement by type of plants.
- Thanks to the fact that the **eco-pots** are made of 100% recycled plastic and require low maintenance and low energy consumption (pumping), the green wall system applies without any problem for low environmental impact property certifications (LEED, Well, PCES, and other certifications).

VEGETABLE PALETTE

Floor **eco-pots** are excellent for vegetables, medium-sized plants and succulents.

Given the structure and shape of the wall **eco-pot**, the ideal plants are those that hang and have large foliage.

To know in detail which plants are the best for each **eco-pot** visit www.verdemodular.com/paleta_vegetal/

SUBSTRATE

"Substrate" is the medium (mulch dirt) in which the plants grow in our **eco-pots** is a mixture of several elements.

Our substrate is very important for the proper functioning of the **eco-pots**, each **eco-pot** contains a tank where it stores water.

The water will be able to pass from the tank below to the upper container through the pipettes using coconut fibers contained in the substrate to transport the water via osmosis (capillary fibers). Therefore, it is very important that the substrate used in the **eco-pots** (and in the pipettes) contains at least 25% coconut fiber (ground) in its composition.

You can buy the SUBSTRATE with your **eco-pot** Supplier since it is included in every eco-pot price.

INSTALLATION INSTRUCTIONS

Floor Eco-Pot

1

When installing the floor **eco-pots**, you must fill in the Pipettes by hand with the substrate, and lightly pack it in with the tip of another pipette or with the rubber side of a pencil. Continue to fill up and slightly pack in the other remaining 5 pipettes until all 6 pipettes are filled with the substrate.

2

Insert each of the 6 pipettes into the 6 holes on the interior of the **eco-pot.**

3

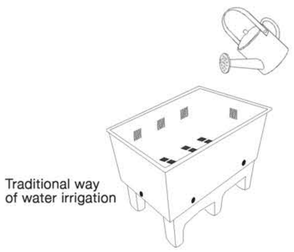
Once the **eco-pot** is assembled (following instruction 1 and 2), then fill up the planter with the substrate mixed from the 2 pouches. Spread evenly the surface of the substrate, sew the plants, and cover the roots.

Wall Eco-Pot

Follow the same instructions for the Wall **eco-pot** however in this case there are only 4 pipettes.

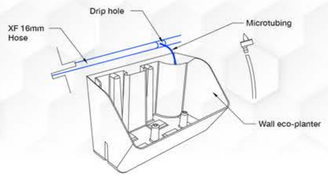
IRRIGATION

The floor **eco-pots** can store up to 1.32 gallons of water, so watering must be weekly, always taking care not to exceed the maximum capacity to avoid dripping. In case an automated irrigation system is required, we recommend the advice of a specialized technician.


Traditional way of water irrigation

The wall **eco-pots** have a water tank which, when filled, will drain the water directly into the tank of the lower pot (waterfall effect). The irrigation system that feeds each column of **eco-pots** should only be connected to any of the upper holes in the pot that is at the top of the vertical garden. We recommend the advice of a specialized technician.

The following diagram specifies the form of irrigation in which the system is connected through a dripper and microtubing with the supply hose:



Top Wall Eco-Pot container with hose-drip system

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