

Green Wall



Green Maze is Happy to Introduce Vertiss® Green Wall Made in France.

Highlights:

- 1) Micro Drip irrigation system – Hassle free
- 2) Growing Medium - Organo-mineral medium (Not hydroponics system)**)
- 3) High Material Density – Expanded Polypropoline
- 4) 5 years Warranty
- 5) Automatic Ferti-irrigation system & LOW Water consumption.

****We don't use Hydroponics**, which is a method of growing plants using mineral nutrient solutions, in water, without soil. Terrestrial plants may be grown with their roots in the mineral nutrient solution only or in an inert medium, such as perlite or gravel.

Features:

Vertiss® modules are made of HD-EPP (High Density Expanded Polypropylene):

- UV resistance: surface material deterioration does not exceed 0.7 mm after 3 years of direct UV exposure. (Testing based on standard NF T51-165).
- Fire resistance: B2 rating based on DIN 4102 - Part 1. These are results of German flammability testing on cars and building products, where components with a 70 g/l density are rated B2 when thicknesses exceed 20 mm.
- Frost resistance: 50 % and 1.5 MPa strain at -30 °C based on ISO 844 and DIN 53 421, rigidity of the material increasing with lower temperatures, approaching its glass transition temperature, which means a higher yield stress under compression.
- Resistance to nitrates: shows very good resistance after prolonged nitric acid immersion diluted at 10 % (H+NO3-: strong oxidant). Very good stability even with respect to ketones (acetone, etc.), to alcohols, esters, mineral oils, alkalis, inorganic acids and hot water (85 °C).
- The module insulates the substrate and roots effectively against extreme temperatures (hot and cold).
- The angle of inclination of the planting containers respects the plants' phototropism (natural light orientation of the plants), so the plants are subject to less stress.
- The modules composing the plant wall are fixed to the existing wall with a metal frame.

Benefits:

- The technological features of 'Vertiss' make it possible to design the layout plan for any area easily and quickly.
- The Design of plant containers makes planting and replacing plants extremely simple.
- Very high quality substrate ensures good growth and development.
- Insulates thermally and acoustically.
- Protects the existing wall against UV, bad weather, etc.
- Its plant density ensures that a mosaic effect (plant fresco) can be easily achieved over the
- The inside of the module is not partitioned so the 31 l of growth medium benefit all 16 plants planted in it without exception.
- The volume available for the roots and the water (and fertiliser) circulation and distribution are therefore major assets for the plants' successful growth and development.
- Entire green wall.
- Easy to assemble, disassemble and reassemble.
- Low maintenance.
- Easy maintenance.

Ref. Novintiss	SizeH / W / D in mm	Substrate volume	Unladen weight	Maximum load per m2	Number of containers	Container size in mm	Colours	Material
JVERTISS_P	760 x 590 x 190	31 l	2.250 kg	94 kg	16	115 x 70	Black	HD-EPP

Specifications of a module (0.5 m²)

Material	HD-EPP (high density expanded polypropylene), density 80 g/l
Dimensions (length/width/height) without fixation	590 mm / 190 mm / 760 mm
Unladen weight	2250 g
Weight with dry substrate	21.78 kg
Weight with saturated substrate	36.66 kg
Weight with saturated substrate + plant cover (perennial variety at 10 kg/m²)	41.66 kg
Weight with saturated substrate + plant cover + average weight of a wall mount bracket	46.66 kg
Maximum water-holding capacity	14.88 l
Number of drainage holes	1
Substrate	31 l (see specification sheet)

Specifications of the standard wall mounting bracket elements

Vertical wall rail (for 1 module)	galvanised steel, thickness 20/10th
Securing clip (for 1 module 1)	304 stainless steel, thickness 15/10th
Module holder (for 1 module)	304 stainless steel, thickness 15/10th
Assembling bolts	threaded rod 8*40 mm, 8.8 resistance, lock nut, self-tapping stainless steel screws 3.9 x 32 mm

Mounting

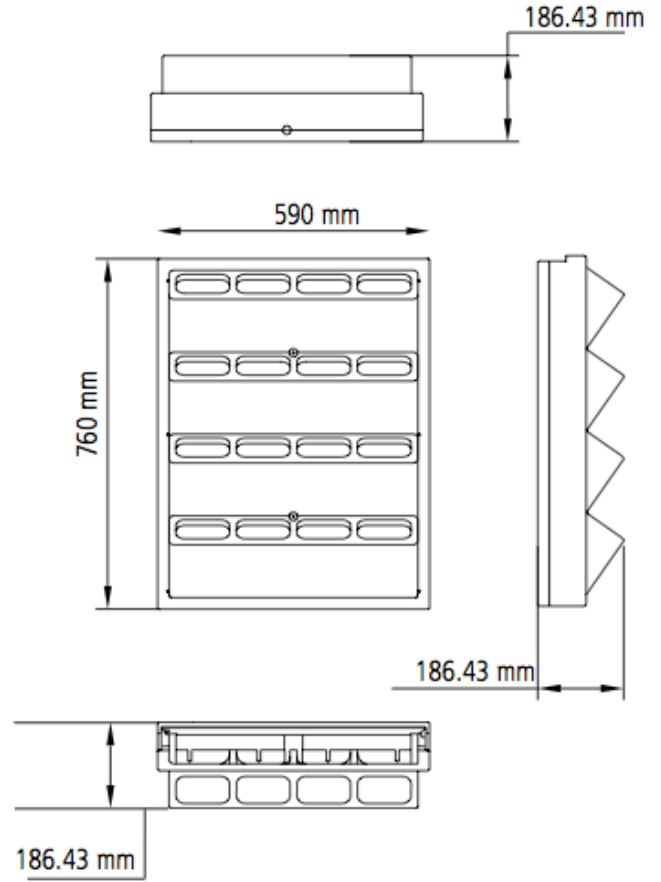
Vertiss® Plus modules are mounted on the façade on which the plants are to be grown by means of a suspended or self-supporting metal framework (optional and custom-built, please contact us for more information). The type of metal systematically used for the vertical rails is DX51DZ+275 hot-dip galvanised steel, based on standard NF EN 10327, and 316 stainless steel for the module brackets.

On request, the entire framework can be made of stainless steel.

Depending on the type of masonry, the metal framework should be mounted on the façade with appropriate anchoring.

We can draw up and provide design calculations for the size of the framework and anchoring devices required for your projects (optional and on request).

Materials: DX51DZ 275 galvanised steel based on standard NF EN10327 or 304L stainless steel or 316L stainless steel.



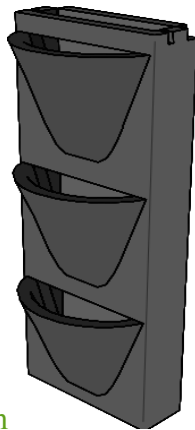
Anchoring devices are not provided and will depend on the type of frame and its specifications.



Vertiss® Compact Or Corner Module For Green Wall:



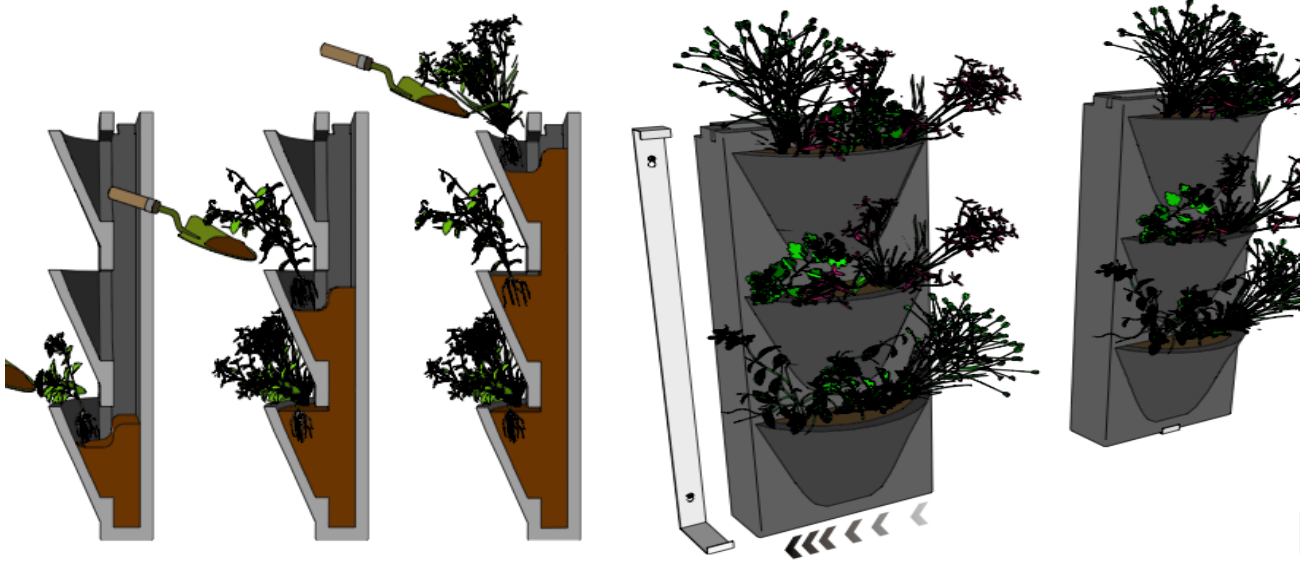
Green Maze thanks you for your trust and hopes that you will be completely satisfied with its vertical garden. The Vertiss® Compact vertical garden is a black, recyclable, polypropylene planting module that can be painted. This insulating material is resistant to corrosion and holds 15 liters of specially produced growth medium for plants made of modified clay, compost and a water retention agent.



1 planting module 80 x 30 x 20 cm



1 metal mounting bracket



Specifications of a Compact or Corner module (0,24 m²)

Material	EPP-HD (high density expanded polypropylene), density 45 g/l
Dimensions (length/width/height) without fixation	300 mm / 230 mm / 800 mm
Unladed weight	990 g
Weight with dry substrate	10.45 kg
Weight with saturated substrate	17.64 kg
Weight with saturated substrate + plant cover (perennial variety at 10 kg/m ²)	20.14 kg
Weight with saturated substrate + plant cover+ average weight of a wall mount bracket	22 kg