



**Vertical  
Gardening Solution**  
**Flora Panel**

**A sustainable system  
of green walls and facades**



***"To plant a garden is to believe in tomorrow".***  
*Audrey Hepburn*



## Dear readers

In the next few pages, you will dive into what we believe is the future of vertical gardening.

We pictured a system that would bring nature back into the cities, but we also wanted a solution so easy to build and sustain, that anyone could have at home.

So we put our 10 years of experience in building vertical gardens together with a few years of tears, sweat and one-pointed dedication on crafting this solution. This is how we came to create the FloraPanel that we are so happy to finally present to you.

*We wish that you find this catalogue as an inspiration for your own life efforts and find the same joy in life as we did - delivering green solutions for people living in today's busy cities by bringing nature back into our lives.*

**In behalf of Flora Urbanica's team,  
Lubos Machala**







## Benefits of plants

*The air you breathe affects your health and productivity*

*We spend on average 90% of our time indoors.  
We breathe more than 10 000 liters of indoor air daily.*



**Increase ability to heal**



**Increase air humidity**



**Prevent us from sick building syndrome by improving air quality**



**Their pleasing outlook improves our ability to focus and reduces stress**



**Decreases the dust up to 20%**



**Lower the noise level - The more flowers the better**



amduh  
Orca





## Flora Panel

*The goal was to create a green wall system for indoor and outdoor, that anyone will be able to build and maintain while keeping the versatility of sphagnum based green walls.*



**Easily mounted on any type of engineered wood**



**Vertical spillways and gravity delivers water to the plants**



**Lego-like system - panels are vertically locked into each other**



**Easy water level management enables both - pot and hydro cultures**



**Using subirrigation system to minimize the water waste**



**Made of recyclable materials**





 flora URBANICA





## Green walls

*We are happy to open-handedly share with you our 10 years' worth of knowledge. All the lessons we learned, our passion, focus on the detail and strive for simplicity led us to this solution that not only brings us closer to nature but also improves our quality of life in an easy way.*



**Handcrafted watering management solution**



**Our system watchdog shows in-app the status of the wall**



**Simple use of seasonal plants**



**Usable for both Indoor and outdoor**



**Easy placement of logos or any branding materials**

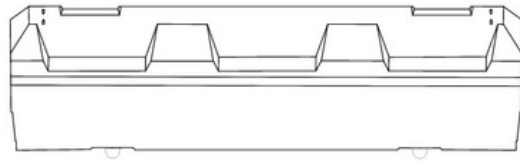


**Full technical support for clients building with our system**

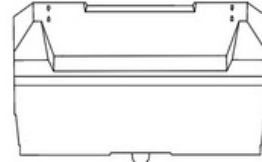


## Flora Panel – technical view

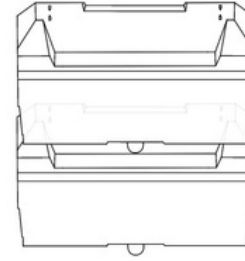
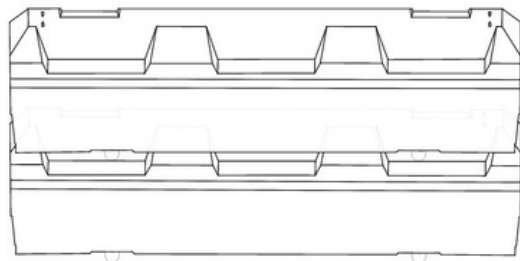
floraPANEL 850



floraPANEL 400



*Flora Panel – assembly*



floraPANEL 850

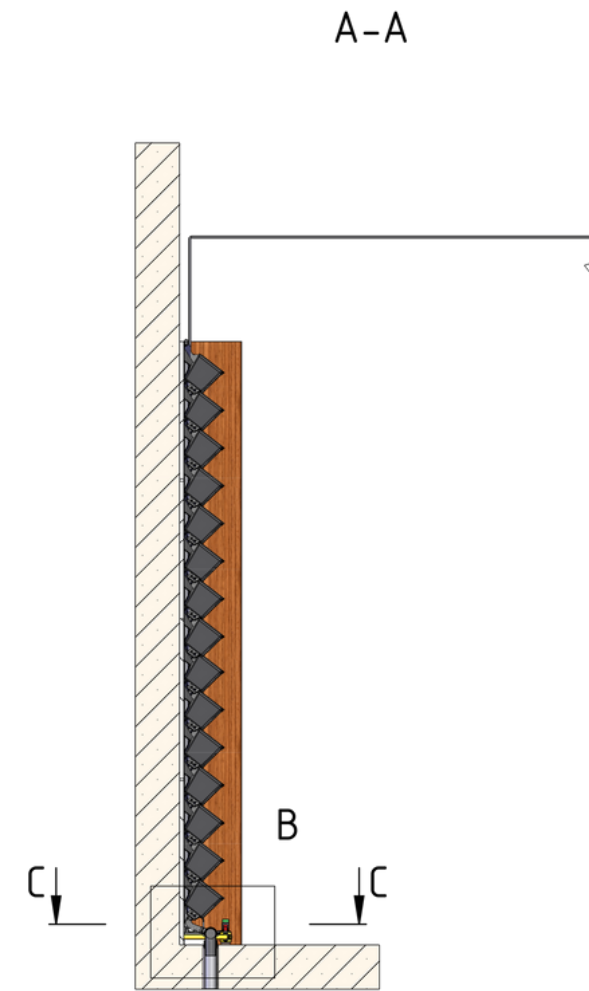
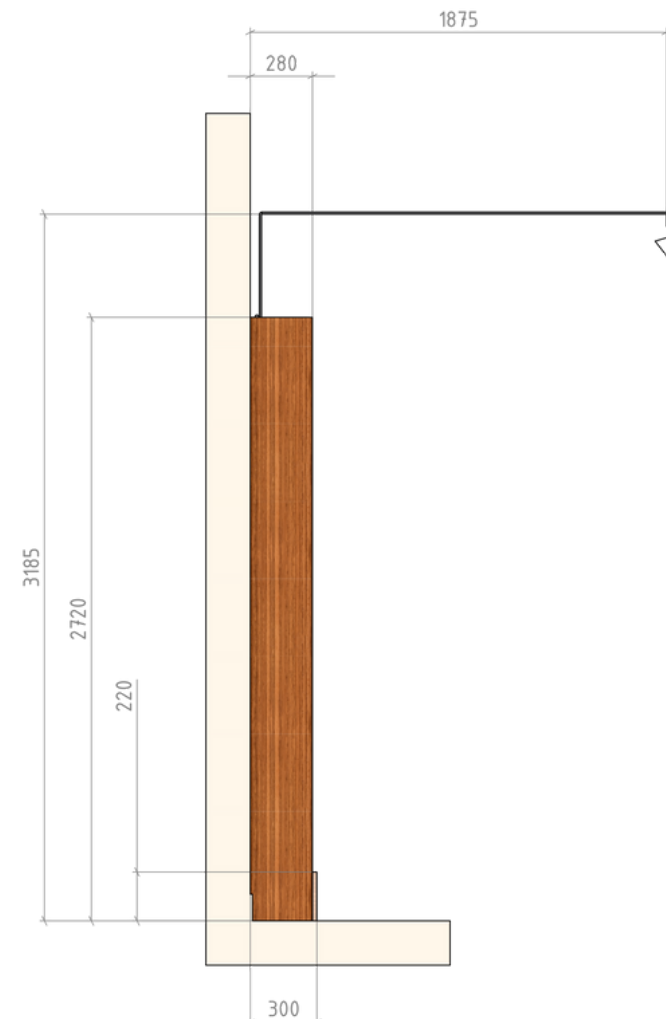
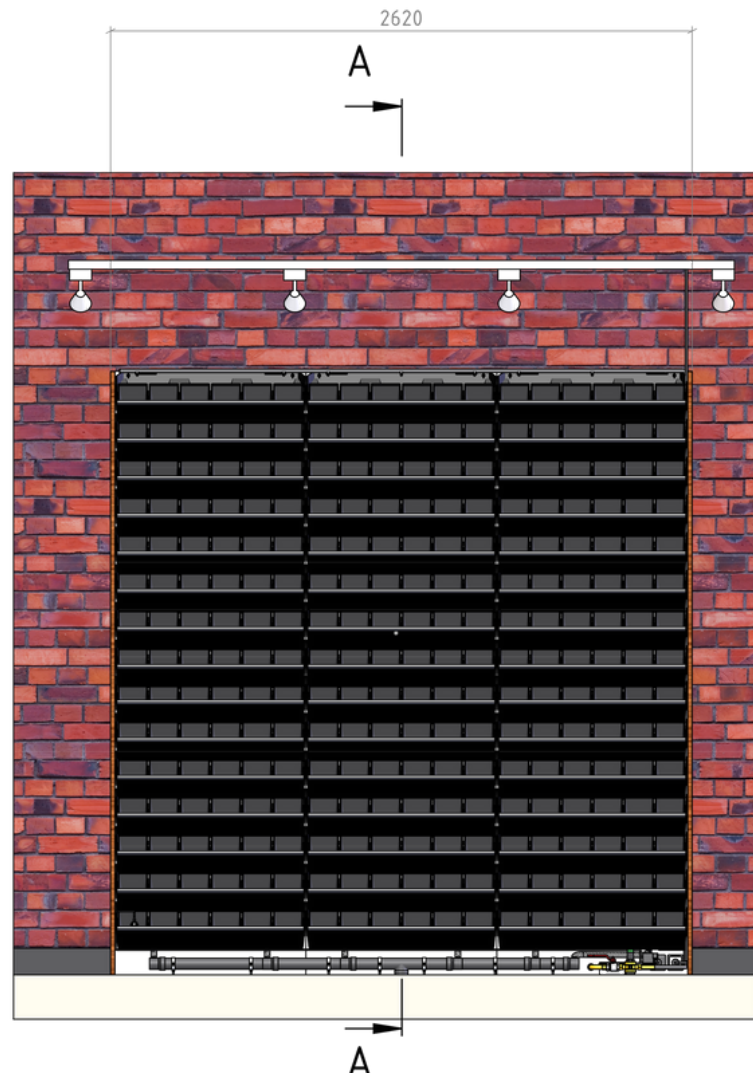


floraPANEL 400

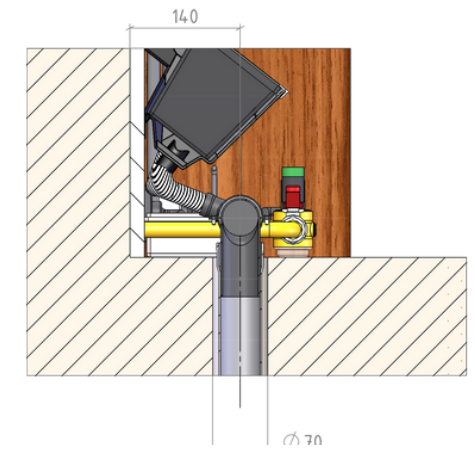




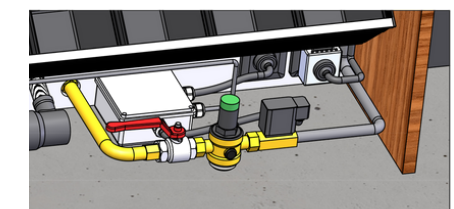
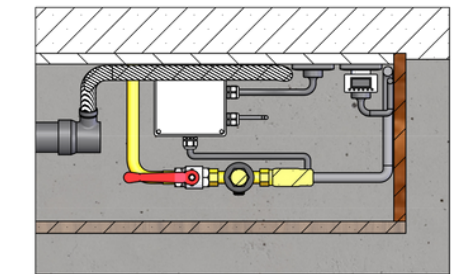
# Green wall – assembly



B Drain detail - DN50



C-C Detail of control system (1:7)





## Recommended plants for interior



Anthurium Sierra



Croton Petra



Philodendron Grand Brasil



Monstera Obliqua



Beaucarnea Recurvata



Chamaedorea Elegans



Chlorophytum Ocean



Aglaonema Cutlass



Areca Lutescens



Aglaonema Silver Queen



Scindapsus Aureum



Scindapsus Golden Pothos



Schefflera Arboric



Asplenium Fimbriatum



Agalonema Christina



Scindapsus Pictus Trebie



Philodendron Scandens



Philodendron Imperial Red









**Vnitroblok**  
Prague – Czechia  
Soil Culture

**Last Scout**  
Prague – Czechia  
Soil Culture



**Kaufland**  
Prague – Czechia  
Flora Panel Hydro Culture

**Webasto**  
Liberec – Czechia  
Sphagnum



**JAP Jacina**  
Hradiště – Czechia  
Sphagnum

**Argus**  
Piešťany – Slovakia  
Semi-Hydroponic





*Introduction text*  
4-5

*Benefits of plants*  
6-7

*Flora panel & Green walls*  
10-15

*Technical view*  
16-19

*Recommended plants*  
20-21

*References*  
22-29



**Meteor – Office centre**  
Prague – Czechia  
Flora Panel Hydro Culture



**Panorama Café**  
Turnov – Czechia  
Sphagnum



**Teslux**  
Hodonín – Czechia  
Flora Panel Hydro Culture



**The Roses Coffee & Store**  
Brno – Czechia  
Flora Panel Hydro Culture



**Prvok – first 3D printed house**  
Prague – Czechia  
Flora Panel Hydro Culture



**Kafe Kytka**  
Liberec – Czechia  
Sphagnum







**We are looking forward to hear from you,**

**Aleš Stacke**

Sales representative

[stacke@floraurbanica.com](mailto:stacke@floraurbanica.com)

+420 777 108 969

[www.floraurbanica.com](http://www.floraurbanica.com)

And big thanks to our team and all supporting us over the last decade,

Graphic design: Kateřina Blaháková, Veronika Lokajová

Brand Manager: Nicole Shopova, Michaela Fojtíčková

Photo Credit: Lukáš Nguyen, Annie Sprat, Erik Ďuriš, Victor Garcia, Pawel Czerwinski,

Matyáš Zezůlka © 2023 Flora Urbanica s.r.o.

