



Terapia Urbana



Specifier Technical Dossier

2019



Do you need to design or project a living wall?

If you are designer or Architect we can advise you with your Green Wall technical Project. Our expert team can advise you with bespoke constructive solutions proven in more than 7.000 m² of installations all around Europe, and tested at the University of Seville.

We help you to integrate nature into your Project with bespoke technical solutions



Technical advise for the project

- ✓ Technical description for projects
- ✓ Technical requirements for any installation
- ✓ Technical solution development to implement nature into your design
- ✓ Installation plans
- ✓ Landscape design and plant selection



Fytotextile® Living Wall system

- ✓ Patented system developed at University of Seville
- ✓ Multilayer modules for half-hydroponic crop
- ✓ Customized modules to adapt to any shape
- ✓ Special modules for very hot climates
- ✓ Special modules Fytotextile-RF with a **Class B-s2-d0** certified
- ✓ Resistace Test
- ✓ Performance test in freezing cycles

Fytotextile® System

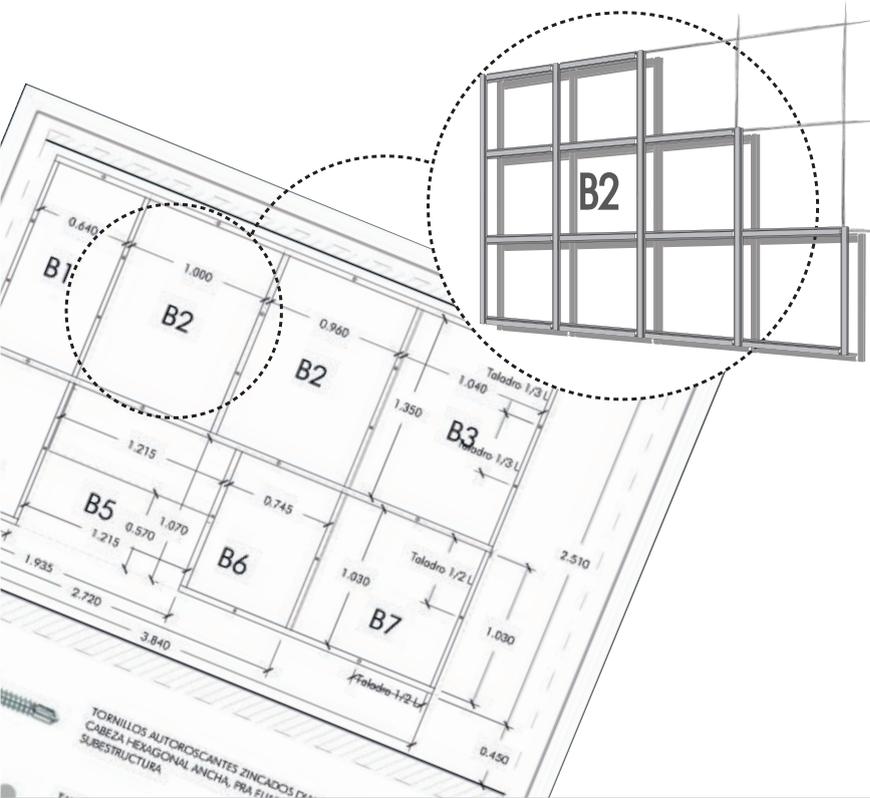


Technical documents

We do a previous analysis to evaluate every factor that affects to the development of the living wall system such as: location, climate, sun exposure, projected shades, thermal oscillation, lighting conditions and other aspects.

As a result of this technical study we draft the technical documents that we include with the supply of the Fytotextile® system, in order to guarantee the correct execution:

- ✓ Framework
- ✓ Modules overlay
- ✓ Irrigation system
- ✓ Automation system
- ✓ Auxiliary lighting
- ✓ Landscape desing and plant selection



Competitive advantages of Fytotextile® system

Fytotextile® living wall system is an advanced technologic development as a result of many years of research at the University of Seville, by the Biosystems Engineering and Urban Greening investigation group (AGR 268). Fytotextile® system has been subjected to various tests to improve physical and mechanical features, which gives it specific properties that differentiate it from other systems on the market

It improves the health of the plant due to the high transpiration capacity of the external layer and establishes an **optimal balance** between water, air and substrate in the buried part of the plant



A system developed and patented by the Seville University

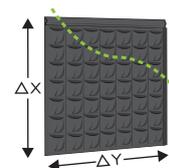


Fytotextile-RF
APPLUS certified fire
reaction rating
B-s2-d0

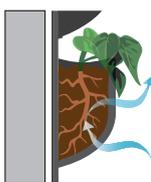


An optimal multilayer structure

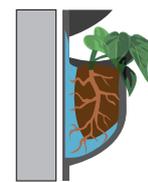
- Ⓐ Waterproof layer
- Ⓑ Irrigation layer
- Ⓒ Breathable layer



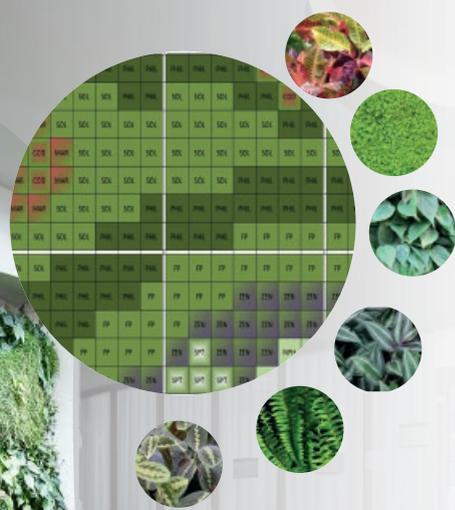
Customizable to adapt to different forms



Improvement of root aeration and the plant behaviour



Optimal water distribution for the plants and retains beneficial moisture



The importance of the landscape design

Our team work close to you to create the landscape design, taking into account your ideas and goals to get the expected result. We choose the specific plants and its sizes for every Project, after a detailed technical study where we consider all the conditions

Our international experience supports us, with more than 12.000 m² of successful installations. We count with the expert advice of our multidisciplinary technical team, formed by Architects, Agronomic Engineers, Designers and Phd Professor from the University of Seville.

*Main living Wall benefits range from Sick building Syndrome mitigation to the positive influence to fight against climate change .
In Nature is the solution to many of the city problems.*



Urban greening

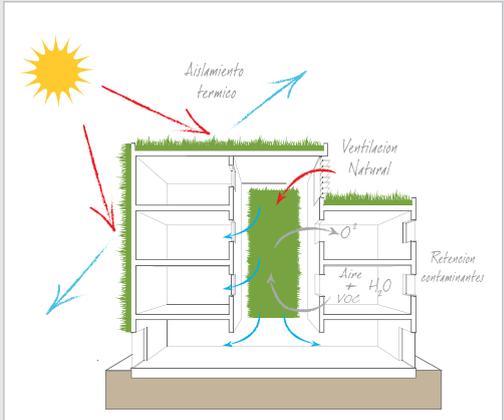
City planning and Architectural design play a key role assuring the maintenance of the permanent interactions between the species with their environment.

The goal is to create urban environments that develop in a compatible way with the existing Biodiversity .



Passive design

It is possible to design using the vegetation as another component into the building. The passive use of the plant benefits has been used from ancient times. Today, the bioclimatic and sustainable design, finds in urban greening infrastructures a key element for an eco-friendly construction.



Benefits for buildings

Indoor plants provide oxygen and environmental humidity, act biofiltering volatile organic components (VOC) like benzene ,CO₂ and formaldehyde, and improve the indoor air quality .
Outdoors, plants improve the thermal and acoustic insulation of the building envelopes.

