



Terapia Urbana



fytotextile<sup>®</sup>

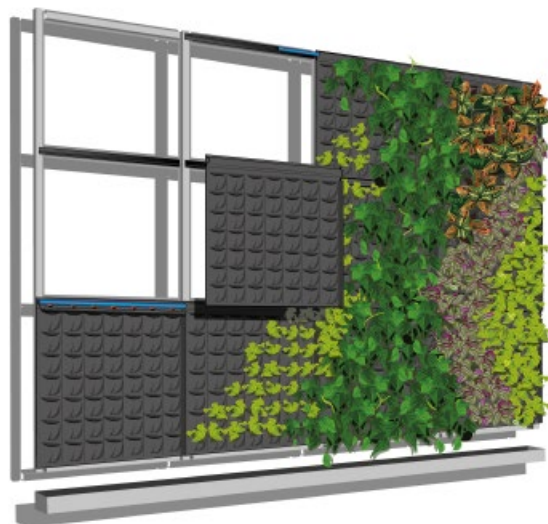
Urban Greening System



## CONSTRUCTION SYSTEM FOR LANDSCAPED FACADES

Assembly by coupling elements of the system according to project

**Construction system for vegetated facade,** composed of **Fytotextile®** modules connected to a substructure anchored to the supporting wall. The modules are formed by a **matrix of pockets** where the plants are housed on a living wall, including their own substrate, which facilitates adaptation and development. The modules have a flap at the upper part that allows easy access to the irrigation system, facilitating maintenance.



Standard assembly procedure in 4 easy steps. The installation company has a technical document specifying the details of the assembly.

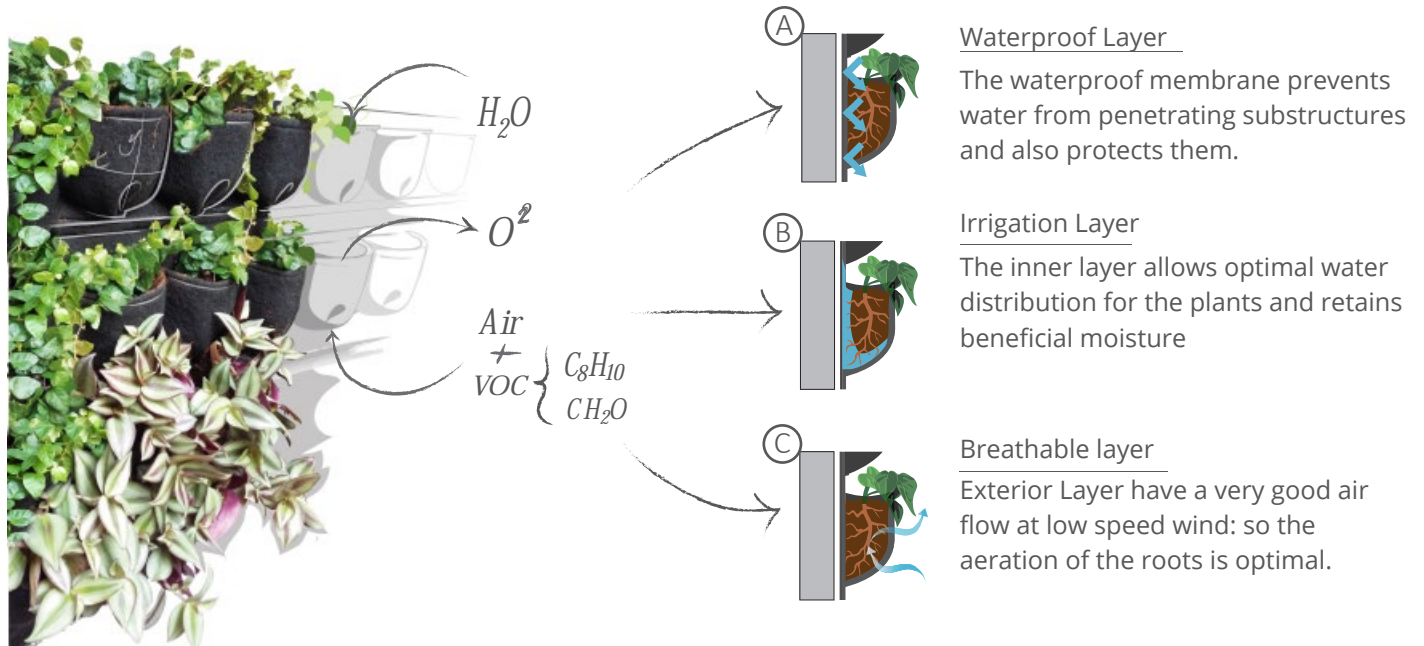




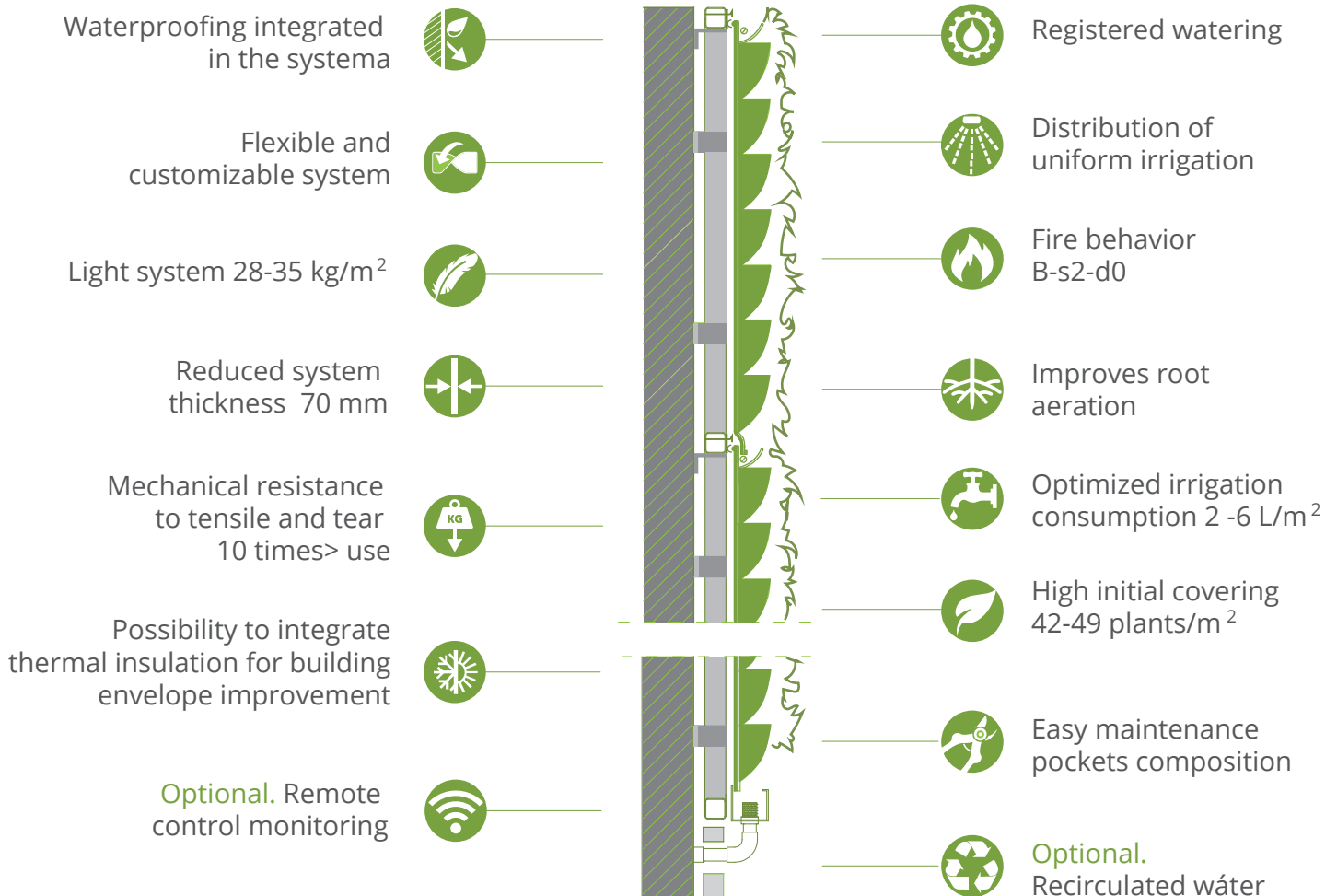
# ADVANTAGES OF THE SYSTEM

## Better plant development and high initial coverage

The **Fytotextile®** multilayer system creates healthier conditions for the roots of the plant, thanks to the excellent transpiration of the outer layer, which optimizes the balance between water, air and substrate for each plant



## System characteristics





## TESTED SYSTEM

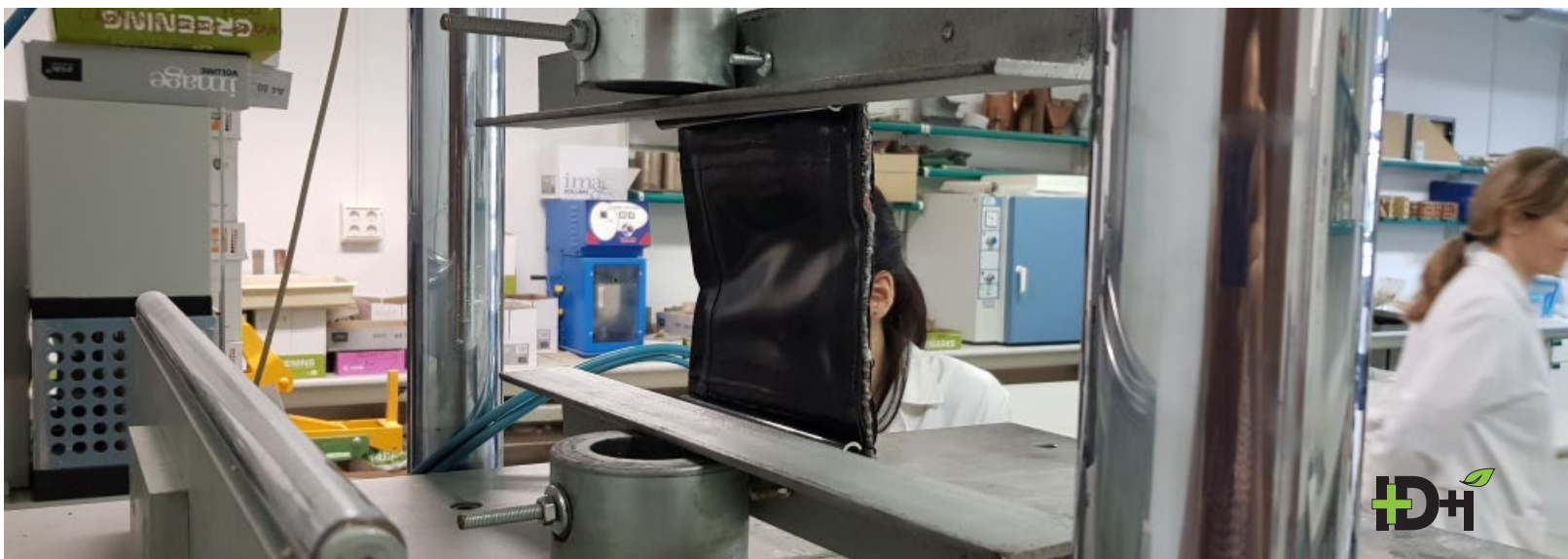
### Industrialized production of patented semi-hydroponic system for vertical landscaping



Modular system for vertical semi-hydroponic cultivation. **Patented** and developed by the Urban Naturation Group AGR 268, of the **University of Sevilla** since 2006



Quality control in the production phase that guarantees the performance for which it has been designed. The system is adapted to constant improvements and development that provide it with technical characteristics to solve the construction requirements



The Fytotextile®-RF system has been improved to obtain a reaction against fire class **B-s2, d0** certified by APPLUS



The Fytotextile®-AD system maintains its physical and mechanical capacities over time against prolonged exposures without protection



The Fytotextile® system has a maximum resistance of the assembly to 6 times higher than the maximum load of use



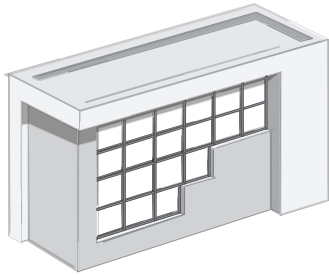
Fytotextile® C + system with increased water retention capacity for hot climates



The Fytotextile® modules have a good response to continuous cycles of freezing and unfreezing

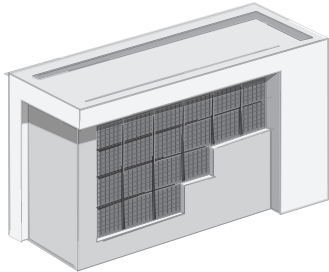


The final result does not depend on a technique or a highly specialized workforce, it is only necessary to assemble the elements according to a **technical project** that is previously developed in the project phase in the following points:



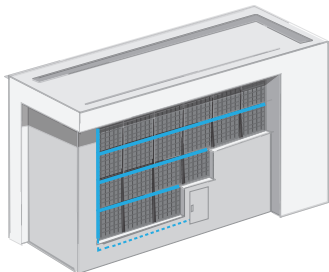
### ✓ Metallic Framework design

According to the modulation for every installation, the necessary metallic framework is designed for the correct connection of the modules. A complete technical definition of the framework with singular points details for every installation is provided.



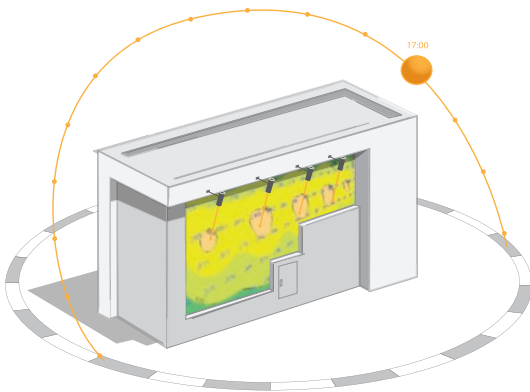
### ✓ Overlay and Modulation

According to every living wall shape, the modulation of the system is designed for a correct execution of the system. Installation plans are provided with specific technical details and the type of modules required, and its position in the system



### ✓ Design of schemes and automation

According to location and specific features of every project, the optimal irrigation and automation scheme is defined. The plans include location and technical description of all the components required.



### ✓ Study and design of Auxiliary Lighting / Sunlight

Depending on the location of the vertical garden, a sunlight study for outdoor living walls, or an auxiliary lighting studio for interior ones, is carried out, using the most advanced technology and prescribing the most suitable luminaires. With the results obtained, the selection of species is made and, if necessary, it will define the necessary lighting to guarantee the correct development of the indoor plants.



### ✓ Plant selection and design

Starting from the analysis of the external conditions that affect to every installation, a specific plant selection and landscape design is done. Plans with type, size and position of every plant are provided for a correct installation. Design is performed taking into account the customer requirements and needs.



# INDOOR LIVING WALLS





# OUTDOOR LIVING WALLS





# PRESENCE IN THE MOST DEMANDING MARKETS

## International presence

The Fytotextile® system adapts to the strict requirements of the international market with more than 12.000 m<sup>2</sup> of living walls installed worldwide supporting its versatility and excellent performance as a vertical landscaping



Companies and institutions that have opted for the Fytotextile® system

