



wally



the renovation of green walls



- INNOVATIVE DESIGN
- DURABILITY
- EASY INSTALLATION





WALL-Y VISION

Everything that happens is as usual and familiar as the rose in spring and the harvest in autumn.

(Marco Aurelio)

We want to rediscover our natural habitat while looking out a window, walking in the street and breathing.

We want to build a city where the colours of leaves, the perfumes of flowers and the growth of plants mark time and seasons go by.

Time marked by Nature: with Geoplast it is possible.

PE HD

WALL-Y is made of virgin high density Polyethylene, a plastic polymer with high shock resistance, extreme solidity and strength, great elasticity and flexibility. Thanks to a particular treatment to UV

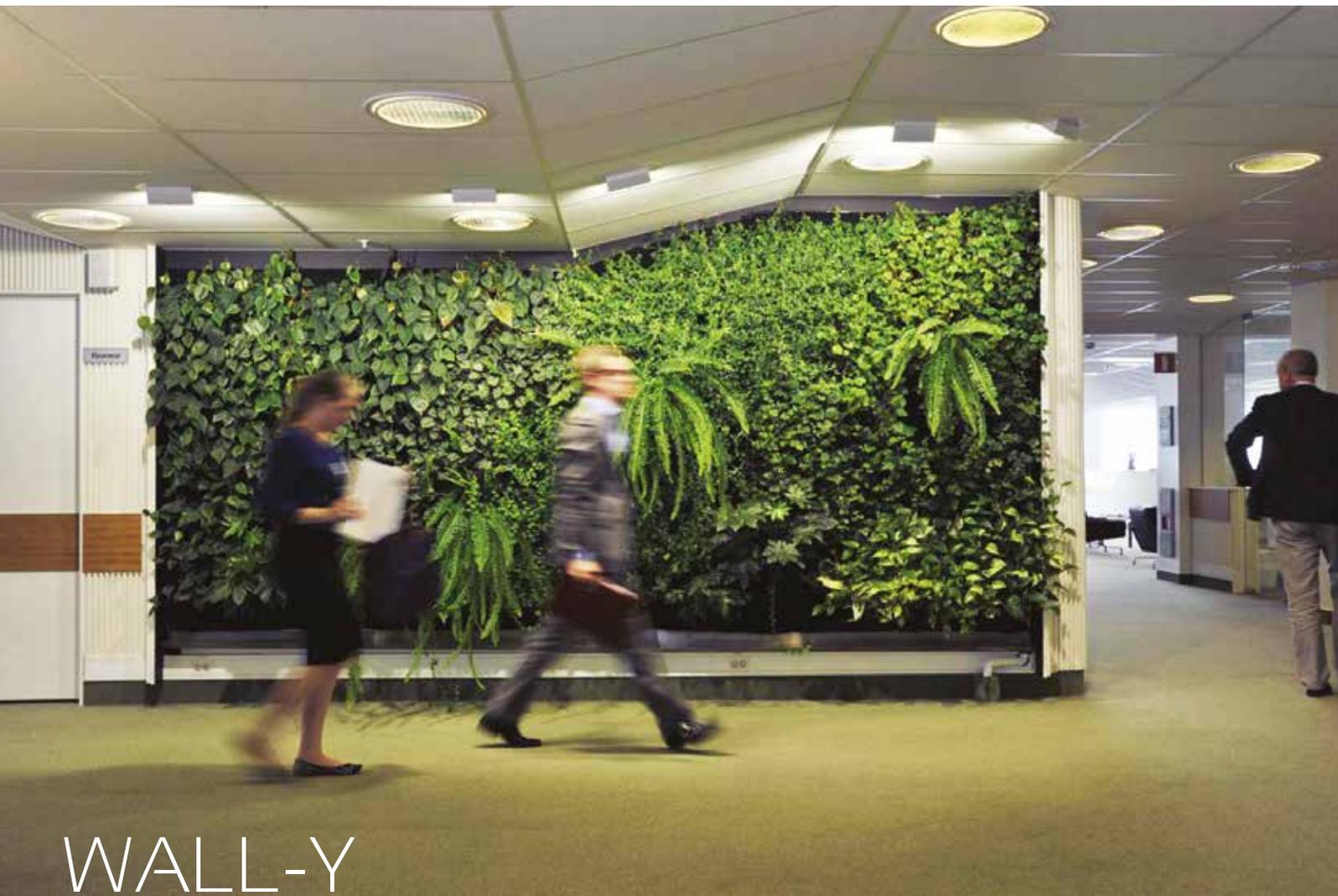


HDPE

rays, WALL-Y does not fear weathering and maintains its structural and aesthetic qualities over time. The material can be produced in any colour, depending on the need for customization.

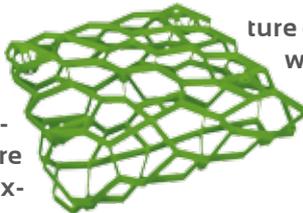
Geoplast S.p.A. in Green Building Council Italia,
The Network of Green Building.





WALL-Y GREEN IN TOWN

WALL-Y is the perfect solution to create vertical green walls and to delimit spaces and green areas such as gardens. **WALL-Y** resists to weathering, improves energy performances of the building and makes it more beautiful and comfortable. The original tex-



ture of the grid, available in many colours, adorns walls even before they are covered with vegetation. **WALL-Y** is ideal for existing and new buildings and it has also a great aesthetic and environmental value in a urban context.

■ GREEN WALLS

■ MODULAR GREEN WALLS

■ DELIMITATION OF GREEN AREAS AND GARDENS

■ DELIMITATION OF TERRACES

■ OPEN SPACES

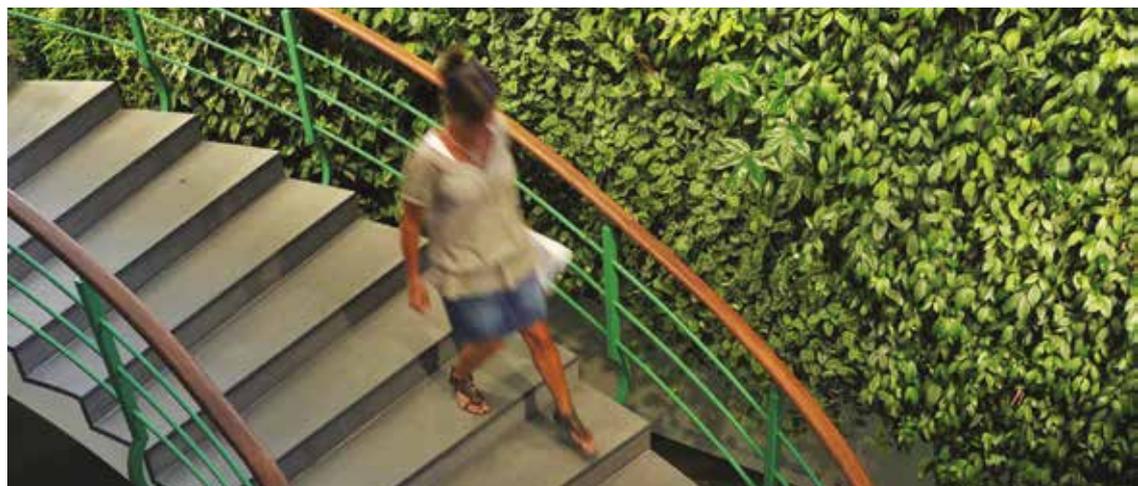


GREEN WALLS

Thermal and acoustic insulation - Microclimate and Sustainability - Property Value - Aesthetic

The green soul of **ARCHITECTURE**

The use of vegetation to cover buildings and walls is now a standard in modern architecture. Like a thermal and acoustic insulation, vertical green walls protect the building from solar radiation, significantly improving its inhabitants' quality of life. Wall-Y can be installed quickly and easily, it resists to weathering and ensures the ideal habitat for the growth of plants. Thanks to Wall-Y, properties improve their energy performances and increase its aesthetic value.





WALL-Y ADVANTAGES

The simple and adaptable solution that combines the benefits of green walls with the elegance of an essential covering

ventilation



The structure of the anchor points keeps the elements detached from the wall, creating a natural ventilation gap

beauty



The particular texture of the trellis guarantees beauty and elegance to the wall even before the growth of the vegetation

sustainability



WALL-Y creates the ideal habitat for the growth of plants. In this way green walls act as a beneficial insulation system over time

duration



Made of virgin HDPE with anti UV treatment, **WALL-Y** provides maximum strength and durability

saving



The green system protects existing walls, insulating the building both thermally and acoustically

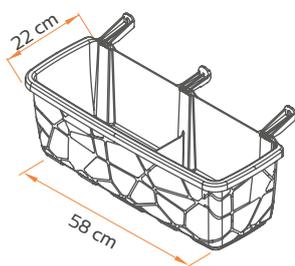
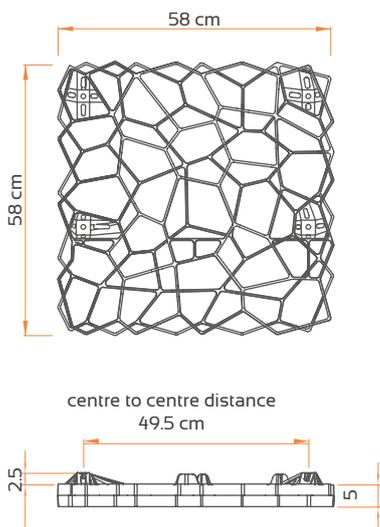
modularity



Lightweight and modular, **WALL-Y** can be attached directly to the wall or just with simple sub-structures

TECHNICAL DETAILS

WALLY



Actual size (cm)
material
weight (kg)
package dim. (cm)
No. item per pallet
m² per pallet
colour*



GRID
58 x 58 x 7.5
PE HD
1.50
120 x 120 x 240
180
60
Green-White



POT
58 x 22 x 20
PE HD
1.20
100 x 120 x 200
100
-
Green-White

*Customized colours on request

MATERIAL CHARACTERISTICS

Bending modulus of elasticity	780 N/mm ²
Breaking load to traction	22 N/mm ²
Coefficient of thermal expansion	0.2 mm/m/°C

WALL-Y CHARACTERISTICS

Type of grid interlocking system	Double superposition
Horizontal distance fixing holes (cm)	49.5
Vertical distance fixing holes (cm)	29
Diameter fixing holes (mm)	10
Grid thickness (cm)	5
Height fixing support legs (cm)	2.5

The pot



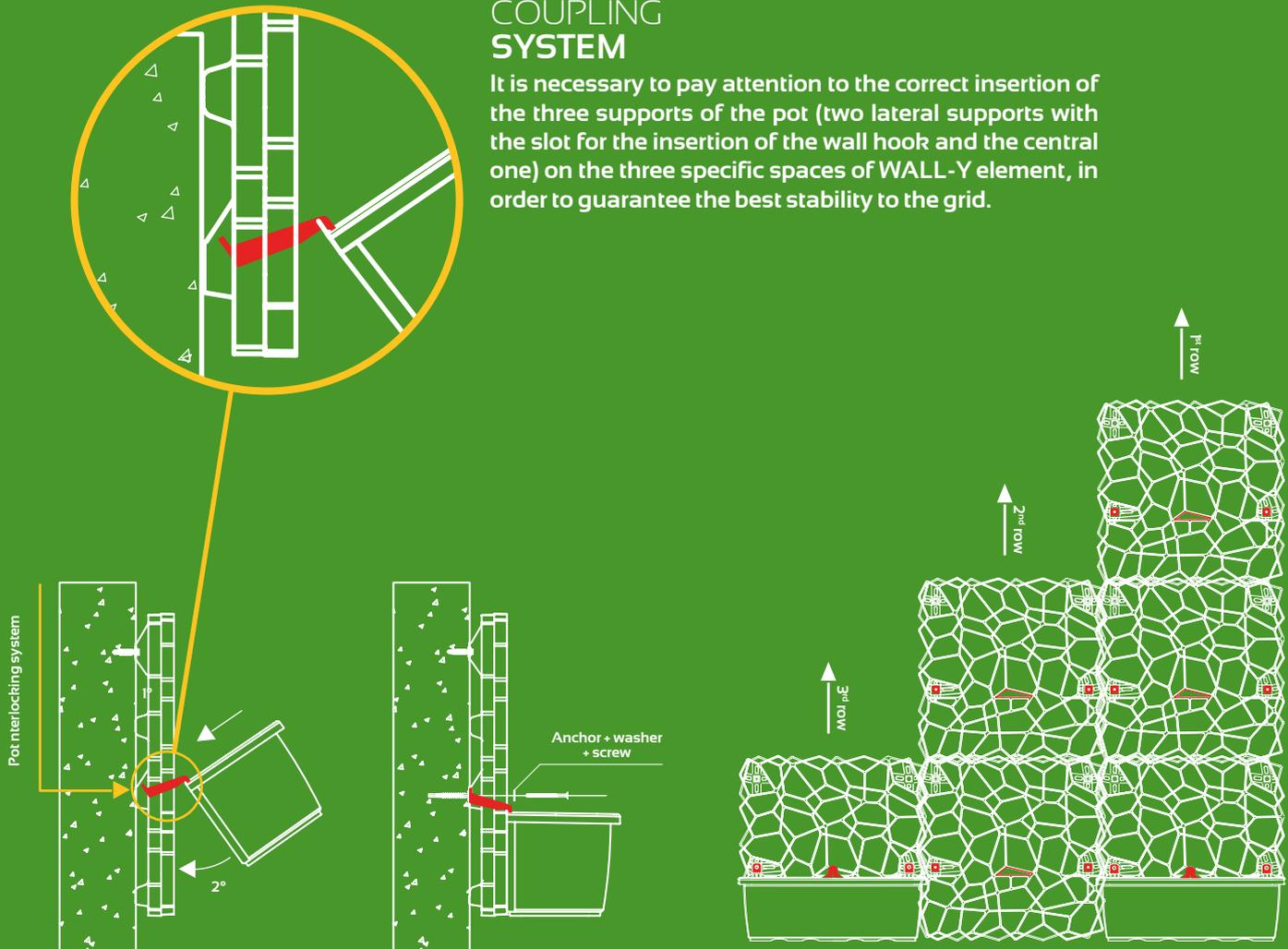
Suitable for a fast greening of the wall or to cover large surfaces, this accessory hosts the plants and makes possible multiple aesthetic effects.

It is possible to install one pot per grid.

INSTALLATION INSTRUCTIONS

COUPLING SYSTEM

It is necessary to pay attention to the correct insertion of the three supports of the pot (two lateral supports with the slot for the insertion of the wall hook and the central one) on the three specific spaces of WALL-Y element, in order to guarantee the best stability to the grid.



INSTALLATION OF WALL SUPPORT

Wood

Concrete



Bricks

EIFS



You can install WALL-Y on existing walls or build self-supporting walls and partitions anchoring the elements to a substructure.

Geoplast provides technical support for the choice of the anchoring system, the specific type of support or for the creation of a structure suitable for every need.

SUBSTRUCTURE

Timber

Aluminium

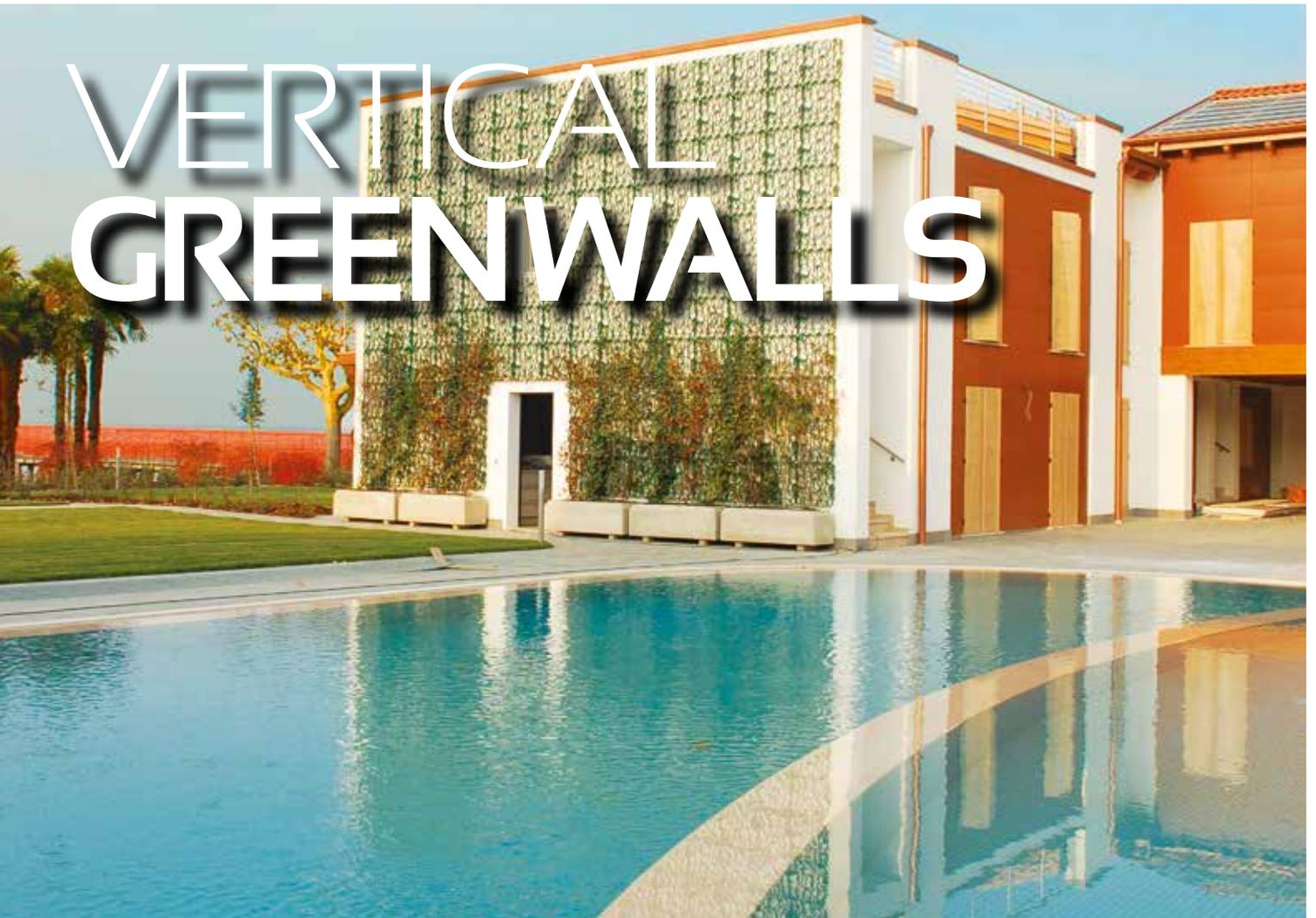


Profile

Frame



VERTICAL GREENWALLS



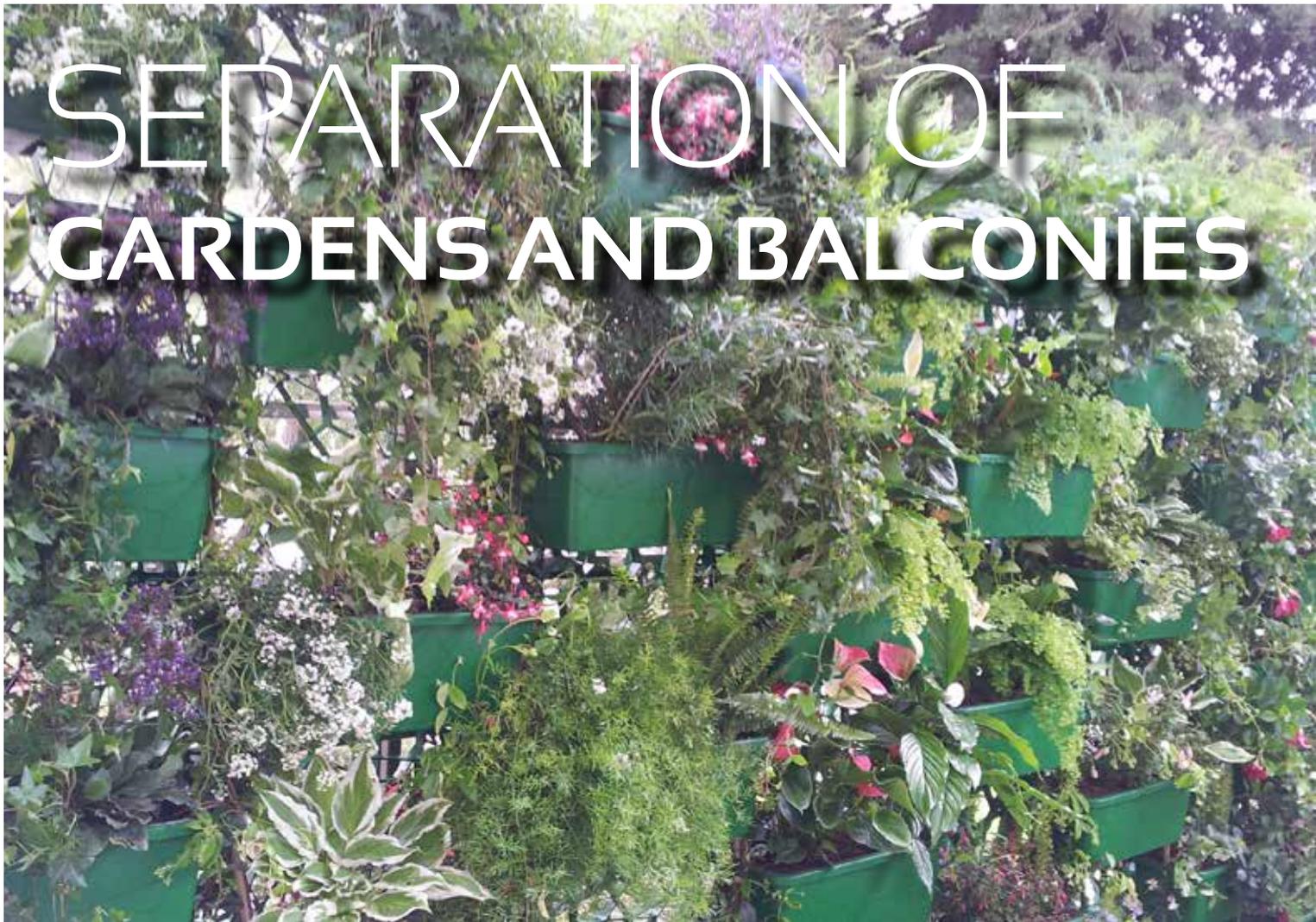
Vegetal coating of the building

In Borgo Gasparina housing complex, with energy certification A, **WALL-Y** has been chosen to create vertical green walls in the two main facades facing the Garda lake. The elegant texture of **WALL-Y** grids guarantees a pleasant aesthetic effect

even before the growth of the plants. In addition to "green" benefits, **WALL-Y** gave a personal character to the complex in a simple and fast way, ensuring at the same time thermal and acoustic protection to the walls.

Thermal and acoustic insulation
Ventilation of the wall
Customization





SEPARATION OF GARDENS AND BALCONIES

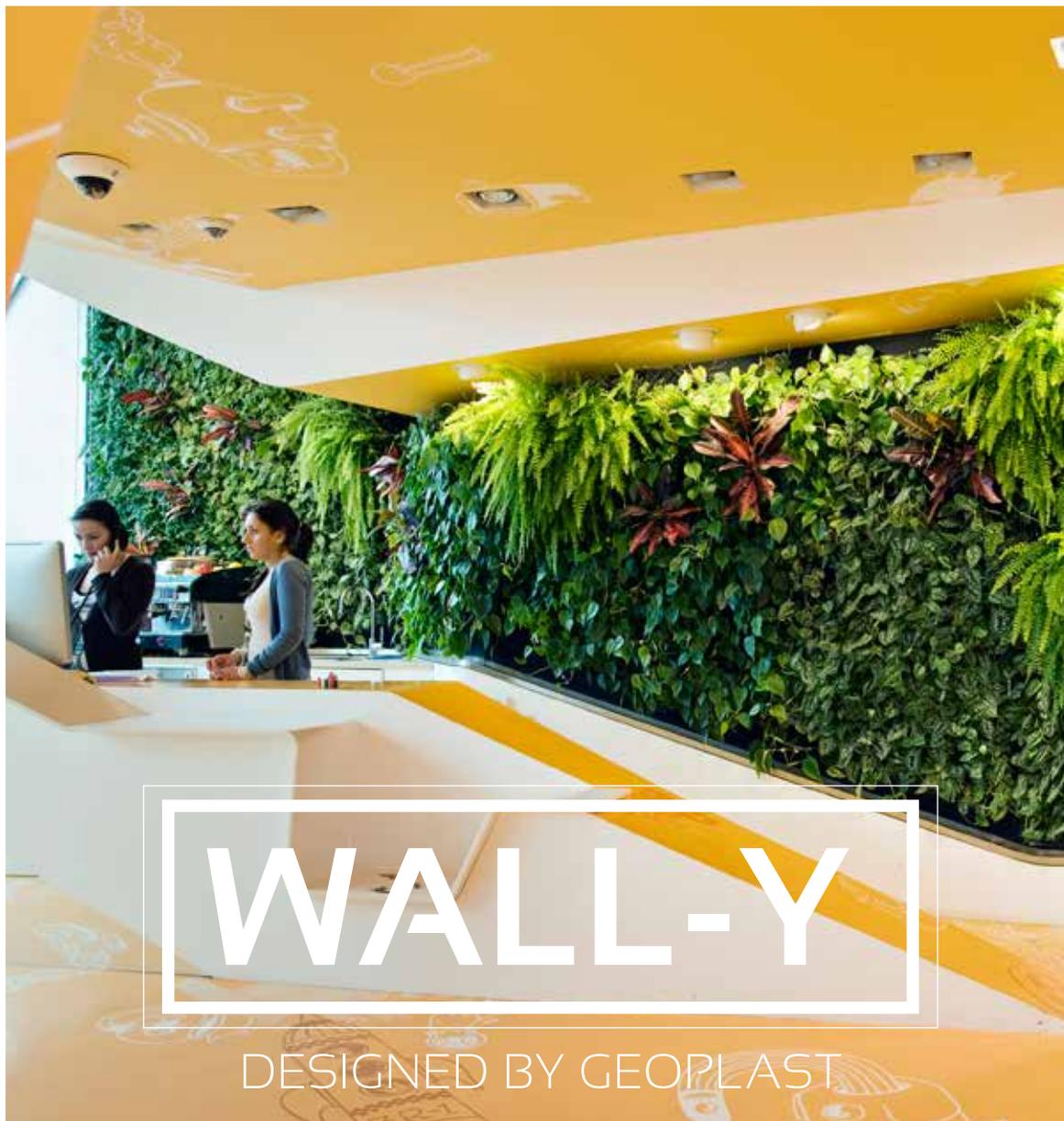
Fences between adjacent areas

WALL-Y is a system adaptable to any specific requirement and does not need a wall to be installed. In case of fences between private places it can be coupled to a sub-structure to obtain self-supporting dividers. The

particular design of the trellis makes easier the shielding, creating a lightweight and pleasant structure. **WALL-Y** can be anchored to wooden or metal structures with posts, ledgers and brackets.

Self-supporting
Fast installation
Modern design





WALL-Y

DESIGNED BY GEOPLAST





DESIGN YOUR IDEA

Wall-y is a modular element that clothes and characterizes environments. Its unique design comes from the world of plants, which inspired its forms; thanks to this product it is possible to cover surfaces with customizable coloured trellis, redesigning walls or creating divisions between spaces with transparency games. Easy to install, Wall-y is ideal to create green walls or design new indoor and outdoor surfaces.



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