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Grid for vertical
climbing green

V-Green®



The ongoing global warming, the pollution in urban areas and the need to reduce energy consumption require solutions to mitigate the effects of these phenomena. Then predict greater use of "green" for buildings is a viable technical solution to these economic and aesthetic problems.

For this reason, the theme of the vertical green has become a constant in recent years in the architectural design for both new and renovated buildings. The V-Green® (*Vertical Green*) system is an opportunity to bring life and greenery in urban gray.

V-Green® is a support for climbing plants to employ for the vegetable covers of perimetric walls of a building. V-Green® offers easy and affordable realization of true vertical gardens, which produce effects of compensation, mitigation and improvement not only on the building but also on the surrounding environment, thanks to the purifying action of the absorption of CO₂ and fine dust, as well as to one beneficial aesthetically and psychologically.

Advantages

- Protection of building surfaces from sunlight and from the effects of rainwater.
- Thermal insulation and barrier protection from the wind, resulting in energy savings.
- Improvement of the microclimate by lowering the external heating: at night the vegetation prevents heat loss, while in daylight hours, it absorbs the heat due to perspiration keeping the building cooler.
- Sound insulation: the presence of green and its substrate opposes a natural barrier to the spread of noises.
- Improving air quality: through chlorophyll synthesis, plants absorb carbon dioxide and release oxygen, and certain species, also absorb particulate matter and pollutants.
- Improvement of the aesthetics and reduction of visual impact.
- Increased biodiversity: it creates ideal habitats for plants and birds.
- Visual and psychological benefits: the presence of vegetation, especially in cities, where it is lacking, spreads positive feelings, reduces the stress and relaxes.

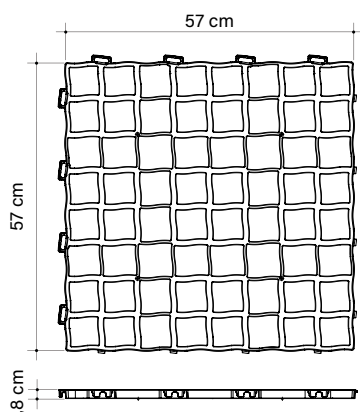
Applications

V-Green® is an excellent tool for urban architecture that condenses, into a single application, aesthetics, technical performance of insulation, protection of the building's external surface and improvement of the environment.

V-Green® is used on new or renovated buildings for any use: residential, office, commercial, industrial and public buildings such as schools, hospitals, ministries.



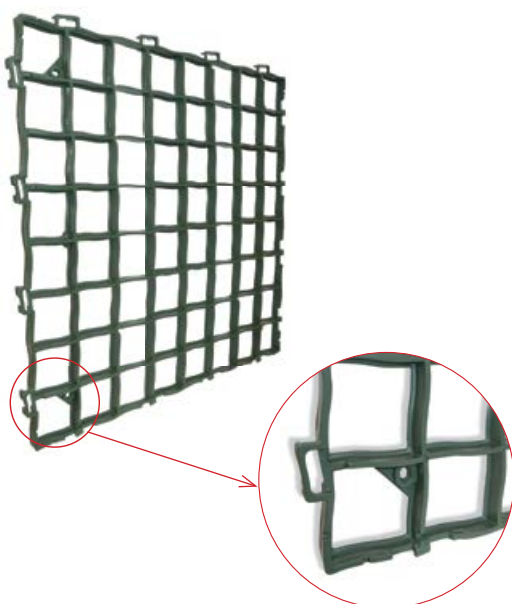
Technical data



Working dimensions	cm	57 x 57 x 1,8
Pieces per m ²	pcs	~ 3
Weight per piece	kg/pcs	1
Colour	-	green/gray
Pallet dimensions	cm	120 x 120 x 120/240 h
Pallet m ²	m ² /PAL	80 / 160
Pallet pieces	pcs/PAL	240 / 480
Pallet weight	kg/PAL	224 / 448

** In consideration of the recycled material, it is permitted a size variation of 2.5%, for the same reason the colour tone is subject to variation.*

Installation method



The V-Green® grid is permanently fixed to the wall by means of plugs to be inserted into the holes.

Easy and intuitive to install, allows you to prepare large areas quickly. V-Green® is a modular and flexible product made from recycled plastic (PE LD) UV-stabilized and environmentally friendly.



Specifications

Creating a vertical green wall by means of the supply and installation of square mesh grids in regenerated PE-LD, type V-GREEN® from Daliform Group Srl., measuring 57 x 57 cm, 1,8 cm high, mesh dimensions 7.2 x 7.2 cm, fitted with male/female hooks on the sides and 4 points for inserting the wall plugs.

V-GREEN® must be produced by a Certified Company according to the International Standards UNI EN ISO 9001 (Quality), UNI EN ISO 14001 (Environment); UNI EN ISO 45001 (Safety) and SA 8000 (Social Accountability Standard).

Price € /Pc. _____

To contact the technical office: Tel. +39 0422 2083 - tecnico@daliform.com

To obtain updated technical cards, support material, new photos and case studies, go to www.daliform.com

The technical consultancy is only valid for the Daliform Group construction systems.

The information contained in this catalogue could be changed. Please request updated informations from DALIFORM GROUP, which reserves the right to make changes at any moment without notice. In consideration of recycled material, it is specified that there are tolerance margins caused by environmental factors.



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Certified Management System UNI EN ISO 9001,
UNI EN ISO 14001, UNI EN ISO 45001, SA 8000

Partner of
GBC Italia

Rating di legalità: ★★+