

# Elmich Green Wall



## Enhancing Our Environment

Elmich Green Wall enhances our environment by facilitating vertical greening of walls and building facades



# Elmich Green Wall

Elmich Green Wall offers architects and developers design flexibility to create both indoor and outdoor green vertical walls. Elmich Green Wall comprises proprietary products that convert dull and monotonous and heat absorbing walls into cool, aesthetically pleasing and environmentally sustainable green wall structures.

## What is an Elmich Green Wall

**Elmich Green Wall** is a modular vertical green wall system that is durable and easy to assemble. **Elmich Green Wall** comprises plants grown in lightweight planting media housed in **Elmich VGM™** (Vertical Greening Modules) modules. **Elmich VGM™** modules are encased in metal support frames and are anchored via pilasters onto a structurally sound wall.

**Elmich VGM™** modules are assembled from high strength lightweight panels incorporating interlocking snap-on clips and are manufactured from 100% recycled plastics. Each module has a large face with 16 conveniently spaced openings designed for vertical planting.

**Elmich VGM™** caters to different planting media depths required by a variety of plant species grown in diverse climatic conditions. Modules can be detached from the wall and re-mounted or replaced making plant maintenance and design changes easy.

**Elmich VGM™** support frames and pilasters are manufactured from stainless steel with a powder coated finish.



Elmich VGM™ available for different media volumes



Elmich VGM™ with lightweight media

Each **Elmich VGM™** module contains a geotextile bag into which specially developed lightweight planting media is placed. Before installation on site, the modules are pre-planted in a nursery environment to allow proper plant establishment to occur.



Elmich VGM™ with support frame

Drip irrigation systems are installed at appropriate intervals, depending on wall heights. Collection trays may be positioned, at ground level to allow overflow irrigation water to be discharged or recycled.

## Advantages

- Lightweight and modular
- Robust and easy to assemble
- Modules easily replaced to allow for design changes
- Easy plant replacement and maintenance
- Different media volume caters for wider plant selection
- Cost effective compared to competitive systems



Elmich VGM™ pre-planted

## Applications

- Building facades
- Screen walls
- Walkways and linkways
- Feature walls
- Garden landscapes



Elmich VGM™ mounted onto pilasters



## Specifications

### VGM

Size	VGM™ 250	VGM™ 150
Height (mm)	560	560
Width (mm)	500	500
Depth (mm)	250	150
Internal volume (l)	46.2	24.2
Weight without media (kg)	3.2	2.7
Material	100% recycled polypropylene	
Colour	Black	

### Lightweight Media

Weight - saturated (kg/m <sup>3</sup> )	<500
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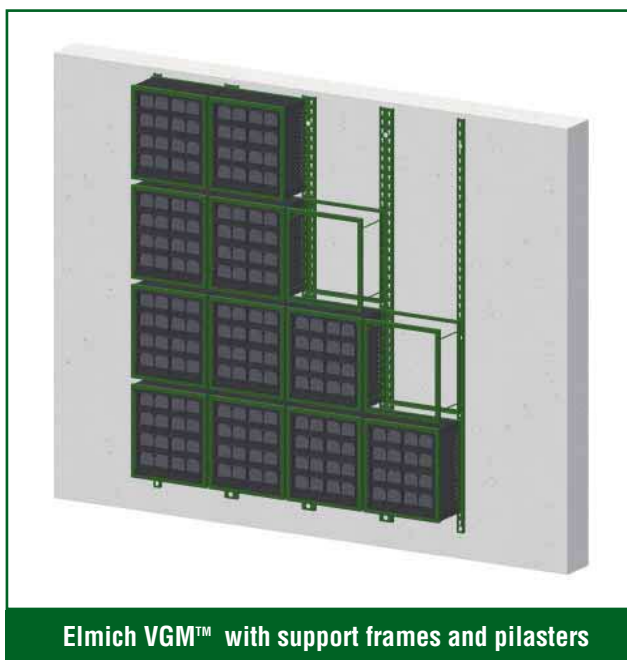
### Support Frame and Accessories

Material	Stainless steel
Finish	Powder-coated
Weight (kg)	3.3
Colour	Dark green

### Pilasters

Material	Stainless steel
Finish	Powder-coated
Length (m)	1.2 and 0.6
Max. load (kg/m <sup>2</sup> )	Up to 1000
Colour	Dark green

## Installation Method



## Australian and International Patents Pending

**Note:** The information provided in this brochure is based on current knowledge and experience and does not infer any legally binding assurance or warranty, expressed or implied. Intending purchasers should verify whether any changes to specifications or applications or otherwise have been made since this literature was issued. The products in this brochure are manufactured using specified recycled plastics and stainless steel under detailed quality control standards and procedures. Factors including source of raw material and manufacturing processes may impact slightly on the strength of the modules.

Distributed by:



Singapore: +65 6356 2800

Australia: 1300 ELMICH

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