

Elmich Green Wall



Advantages

- Lightweight and modular
- Robust and easy to assemble
- Easy mounting, dismantling and re-mounting of modules
- Easy plant replacement or design change and maintenance
- Wider plant selection with variable media depth and volume
- 40mm gap between modules and the wall
- Space for concealed drip irrigation facilities
- Efficient and cost effective compared to other systems
- Modules pre-planted in nursery before installation
- Module arrangement and design can be predetermined off-site

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	Polypropylene	
Colour	Black	

Planting Media

Weight - saturated (kg/m³)	<650
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Mounting System

Material	Stainless or mild steel
Finish	Powder-coated
Colour	Black
Support frame	
Weight (kg)	3.3
Pilasters	
Length (m)	1.2 and 0.6
Max. load (kg/m²)	Up to 1000



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 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.



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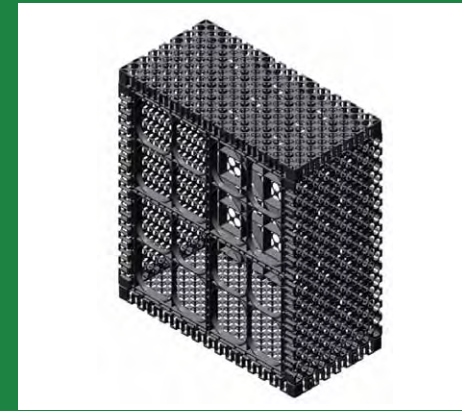
Elmich Green Wall

Elmich Green Wall offers architects and developers a comprehensive solution for turning heat absorbing and often dull and monotonous walls into cool and attractive living green structures that assimilate easily into a natural or garden environment.



A green wall, apart from being aesthetically pleasing, provides a shield that protects a bare wall surface from the harmful effects of daily sunlight and UV exposure and creates an insulating barrier against noise and extreme temperatures that effectively keeps building interiors quiet, cool and comfortable.

Elmich Green Wall is a modular system comprising Elmich Vertical Greening Modules (VGMs) each encasing a VGM bag containing a lightweight planting media, metal support frames and anchoring pilasters.



Elmich VGM is a high-strength module assembled from lightweight interlocking panels manufactured from 100% recycled plastics. Each module has a large face with a grid of conveniently spaced openings to support vertical planting and module thickness can be varied to accommodate different media depth and volume to cater for the needs of a wide variety of plants. Modules are pre-planted in a nursery environment for proper plant establishment before installation.



An 'ultra lightweight' growing media has been developed to minimise weight bearing loads on building structures, even when saturated. The high water holding capacity ensures security under high temperature conditions.

VGM bags are made from non-woven geotextile fabric tailored to fit the interior dimensions of the modules. Support frames and anchoring pilasters are made from stainless steel with a powder-coated finish and are specially designed to facilitate easy mounting, dismantling and re-mounting of the modules and subsequent hassle-free maintenance, including plant replacement, design change or reorganization.

A drip fertilization and irrigation system is installed at appropriate intervals depending on wall height and trays are positioned at the base to collect overflow water for discharge or recycling.

Elmich Green Wall is cost effective, environmentally friendly, easy to establish, install and maintain.

