



DESIGNER PLANTS
BRINGING YOUR SPACE TO LIFE

METAL BACKED GREEN WALL

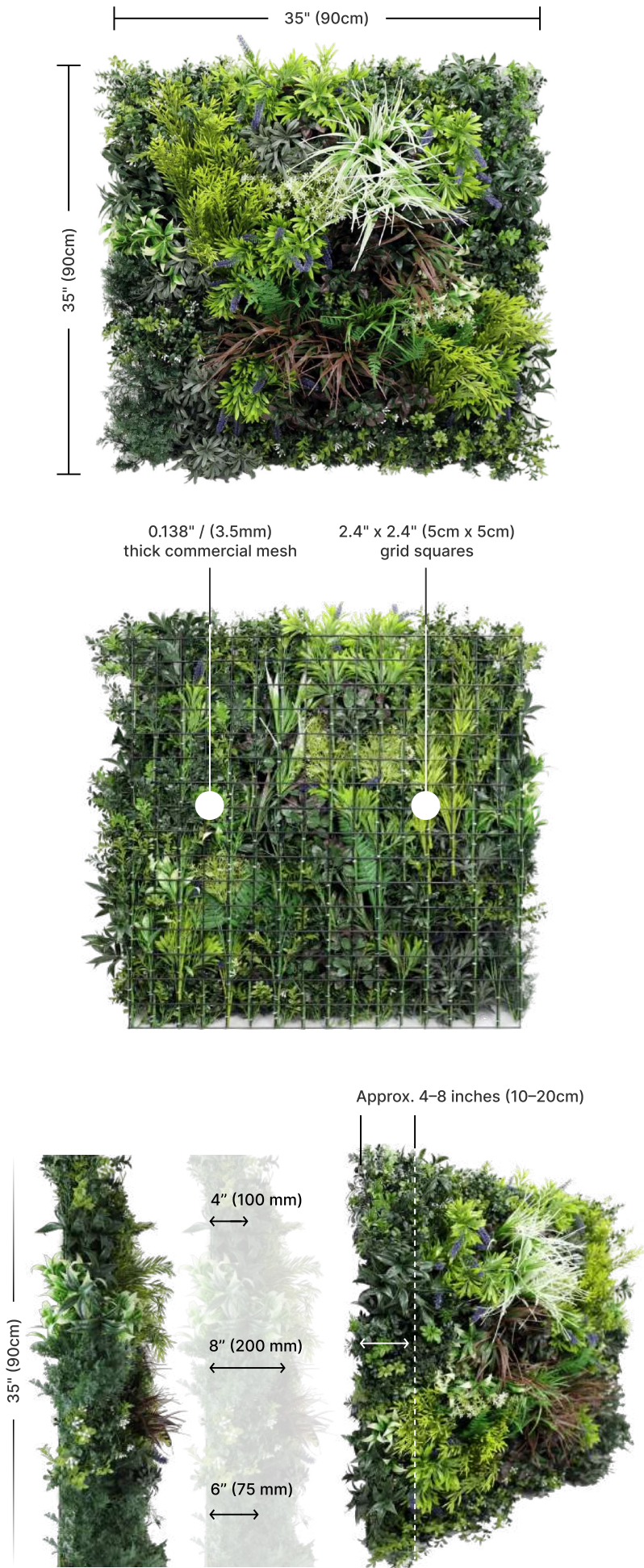
Premium Commercial Artificial Green Wall

Ultra-realistic Fire-Rated Artificial Green Walls for Commercial Spaces & Residential










Technical Specifications

Discover the key advantages of Designer Plants' Metal Panel solutions, engineered for performance, durability, and effortless beauty in any space.






Tropical Forest Artificial Vertical Garden / Green Wall Panel




Product Details

-  **Product Name:** Tropical Forest Panel
-  **Dimensions:** 40" x 40" (1m x 1m)
-  **Weight:** 18.75LBS / 8.5kg (approx)
-  **Depth:** Approx. 4-8 inches (10-12cm)
-  **Foliage Material:** [RealTex](#) High-quality polymer
-  **Customization:** Easily cut and adapted to any space
-  **Backing:**
 - Heavy-duty steel mesh frame for added strength.
 - Heavy-duty metal mesh for secure fixing (commercial grade backing).
 - 0.138" / (3.5mm) thick commercial mesh with 2.4" x 2.4" (5cm x 5cm) grid squares.

Performance & Safety

-  **UV Resistant:** [UVTex](#) protection for long-lasting color
-  **Fire Retardant:** Certified to [NFPA 701 \(USA\)](#)
-  **Warranty:** 5-year US limited liability

Applications

-  **Commercial:** Ideal for offices, retail, hospitality, etc.
-  **Residential:** Perfect for homes, patios, and gardens
-  **Events & Exhibitions:** Suitable for temporary installations.

About Designer Plants

Designer Plants is a global leader in ultra-realistic artificial green wall solutions, dedicated to transforming commercial and residential spaces through innovation, quality, and sustainability. Our mission is to deliver products that seamlessly blend aesthetics, functionality, and safety, meeting the highest international standards for UV resistance and fire protection.









With over a decade of research and development, we provide green wall panels that are low-maintenance, easy to install, and certified for use in demanding architectural and design projects. Choose Designer Plants for sustainable greenery that elevates your environment and stands the test of time.

Why Designer Plants







Discover the key advantages of Designer Plants' Metal Panel solutions, engineered for performance, durability, and effortless beauty in any space.



Quality & Performance

-  Ultra-realistic foliage with RealTex technology
-  Unique, handmade panels
-  Lightweight & easy install
-  Customizable to any style
-  Low maintenance
-  Acoustic benefits

Tested & Certified

- 10+ years of research and development 
- Certified to EU, USA, and AU standards (ISO, NFPA, A-ISO) 
- Built-in UV and fire resistance 
- Freeze and cold-tested for all climates 
- 5-year US limited warranty 
- DIY-friendly installation 



Tested to the World's Highest Standards

Our panels are rigorously tested to ensure safety, durability, and compliance with the world's most demanding standards.



UV Testing (EN ISO 4892-2)

This standard specifies methods for exposing plastics and polymer-based materials to artificial weathering, including ultraviolet (UV) light, to evaluate their resistance to color fading, degradation, and loss of physical properties over time.



Fire Retardancy (NFPA 701 - USA)

NFPA 701 is a widely recognized standard in the United States that measures the flammability of textiles and films. Products that pass this test demonstrate limited flame propagation and are considered fire retardant for use in commercial and public spaces.



Fire Classification (EN ISO 13501-1 - EU)

EN ISO 13501-1 is the European standard for classifying the reaction to fire of construction products and building elements. It assesses how materials contribute to fire growth and spread, assigning a fire performance class based on test results.



Freeze/Thaw Test (Internal Protocol)

This test evaluates a product's durability and performance when subjected to repeated cycles of freezing and thawing. It ensures that the panel maintains its structural integrity and appearance in environments with extreme temperature variations.

Easy to Customize

Designer Plants panels are designed for effortless customization, allowing you to adapt each installation to your unique vision and project requirements.



RealTex Technology

Achieve a hyper-realistic look with advanced foliage textures.



Vivid Colors

Add vibrant color accents to enhance visual impact.



Easy to Insert

Effortlessly add or swap foliage elements for a tailored appearance.

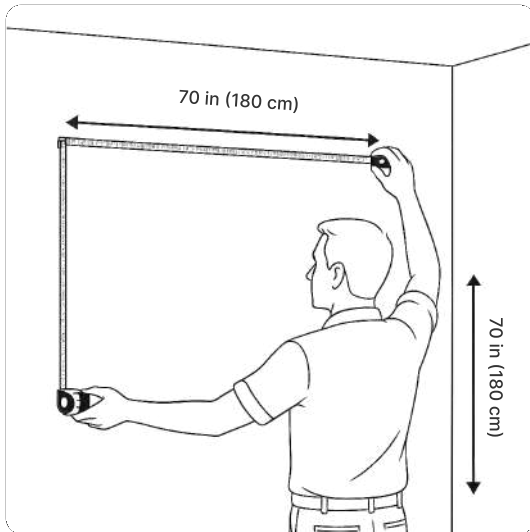


Fully Customizable

Trim, extend, and combine panels to fit any space or creative vision.



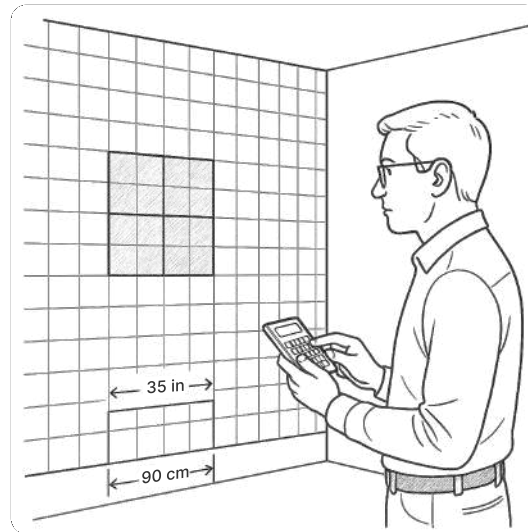
Installation Steps



STEP 1

Measure Your Installation Area

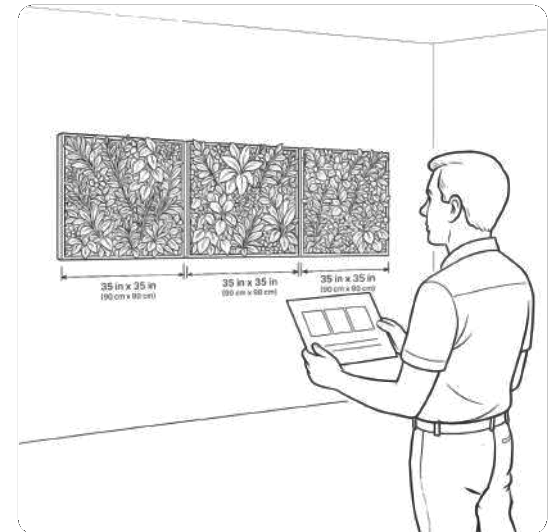
Use a tape measure to determine the full width and height of your wall, ensuring you plan for complete and full coverage.



STEP 2

Calculate Panel Quantity

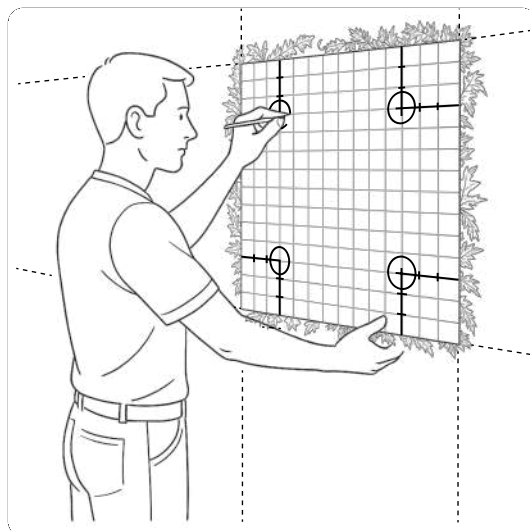
Divide the measured area by the panel size (35 × 35 in / 90 × 90 cm) to determine the exact number of panels needed for your project.



STEP 3

Plan a Seamless Layout

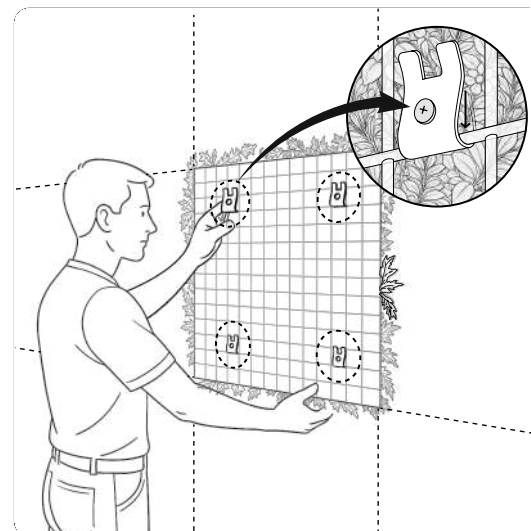
Arrange the panels by starting in one corner and working across the wall. Cut panels as needed to fit the required dimensions.



STEP 4

Mark Your Mounting Points

Hold the panel against the wall and use a pencil to mark the exact locations where you will secure the panel for a precise fit.



STEP 5

Secure with U-Clips/Screws

Attach the panel to the wall using U shaped clips. Secure by placing the mesh inside the U and then screwing from the front through to the back. Space them 2 mesh squares in from the edges.

Notes:

- Ensure you fluff all plants up once installed to make the installation look natural.
- For high wind, or public areas you can addition U clips.

Cutting Guide



STEP 1

Measure and Mark

Carefully measure and mark the area to be cut.



STEP 2

Cut the Mesh

Cut the mesh using strong hand cutters or bolt cutters as close to the weld as possible.



STEP 3

Smooth the Edges

File / Smooth the mesh after cutting.



STEP 4

Apply Rust Protection

Protect cut point with rust proof paint or sealer (recommended, not required).



STEP 5

Reattach Loose Plants

Re-attach the loose plants from the cut off section as required using zip-ties.



STEP 6

Fill Gaps with Foliage

Readjust or place any spare plants along the edges and fill gaps with leftover foliage.

Maintenance & Cleaning



Cleaning an Outdoor Artificial Vertical Garden

Occasionally you may need to clean your Artificial Vertical Garden from Designer Plants, fortunately this is a very simple and easy process due to our RealTex highly durable materials which allow for easy cleaning.

- > Simply hose the panel down with a mist spray nozzle, and for any stubborn dust use a cloth.



Cleaning an Indoor Artificial Vertical Garden

Designer Plants Artificial Plants require very little cleaning when inside, though to keep them looking “fresh” we recommend one simple step:

- > As required, use a light misting and damp cloth to wipe the leaves down (typically every 6 months - 1 year is recommended).

! Note: Water can be used also if your surrounding space won't be damaged.



Cleaning your Artificial Plants

Artificial Plants are super easy to clean and can be refreshed with 2 simple steps:

- > Apply artificial plant cleaner (or if you cannot access this, water can also be used) to the leaves with a gentle mist (do not soak).
- > Use a cloth or paper towel to wipe the leaves dry. If your leaves are very dusty, wipe them prior to applying the spray.



Maintenance of your Artificial Plants

Living with artificial will prolong the experience and life-span of your artificial plants, and we recommend following key steps and guidelines to maintain:

- > Where your plant / vertical garden is in sunlight - apply UV protection spray (whilst our UV rated green walls do not require this - it will of course assist in extending the lifespan - our UV green walls already exceed industry standards on performance in direct sunlight).

- !** Do not use excessive force to clean your plant, high pressure hoses or power tools.
- !** If you clean your plants and a leaf or two comes off they can just be pushed back on.
- !** Ladders / scaffold should not be leant up against the Artificial Plants.





For advice or assistance with your artificial plant project
contact out expert team on.

sales@designerplants.com or +1 786 723 3309

designerplants.com