



MobiPanel is an innovative, sustainable and lightweight system for living walls in existing buildings and new development projects. Thanks to its unique design, greenery can easily be added to both flat and curved walls. MobiPanel is the ideal solution for climate-proof construction projects, as it helps create a healthy and attractive living environment. The system consists of corrosion-resistant profiles that can be installed both horizontally and vertically. This bearing structure offers room for plant cassettes in two formats, with slots for fully grown plants with varying pot sizes.

BENEFITS

- Contributes to a greener living environment
- Boosts air quality by absorbing fine dust particles and generating oxygen
- Promotes biodiversity
- Raises the value of your property
- Soundproofs and insulates your building
- Captures rainwater
- Offers an instant green effect

outdoor distribution center retail car park warehouse
property office public space hospitality school

UNIQUE FEATURES

- Suitable for flat and curved walls
- Suitable for various types of wall, including certain types of sandwich panels
- Interchangeable plant cassettes in two sizes (15.75" x 15.75" and 7.87" x 7.87")
- Economical water consumption
- Complies with fire rating B-s2, d0
- Reusable and fully recyclable
- Equipped with automated irrigation and drainage system
- Lightweight and space-saving
- Modular system
- Easy to install on new and existing facades and interior walls

TECHNICAL INFORMATION

DIMENSIONS AND WEIGHT

- The system consists of cassettes measuring 15.75" x 15.75", and pixels measuring 7.87" x 7.87".
- The omega profiles and covers are a standard size (47.24") for efficient transport. They can be custom-made for large projects.
- Maximum system weight when fully planted: 949.21 lb/psf.

PROFILES

The omega profiles are made of high-quality and extremely corrosion-resistant Magnelis steel. With their punched-hole pattern, the profiles can be installed either horizontally or vertically. Either way, the holes allow you to pass water pipes and electricity cables through with ease. On top of that, the profiles can be used on both flat and curved backing walls.

MATERIALS

The cassettes, pixels, and covers are made of fire-retardant EPP (B-s2, d0). This material is light, UV-resistant, breathable (for good root growth), and is fully recyclable.

CAPILLARY ACTION

An automated irrigation system supplies water and nutrients to the MobiPanel green wall. An irrigation pipe along the top of the wall delivers water to the cassettes and pixels.

Each cassette and pixel is fitted with capillary matting. This capillary action ensures water is distributed evenly. That way, every single plant receives the correct volume of water and nutrients. The result: extremely efficient and low water consumption.



ADVICE

We recommend getting Mobilane involved as early as possible in the design and construction process to ensure technical aspects, such as the irrigation system, piping, and cabling are designed as optimally as possible.