



FACTS

WallPlanter is a unique green wall system. The basic element is an aluminium planter, consisting of aluminium planters that contain fully grown Mobilane green screens. A load-bearing structure is installed on the building, then the planters with green screens are attached to this structure. This creates an instant green façade on new and existing walls. WallPlanter includes a small automated irrigation and drainage system that supplies water and nutrients to the green screens. The automated watering system means that the WallPlanter only requires minimal maintenance.

BENEFITS

- Introduces green to grey areas
- Improves the living environment
- Increases property prices
- Low maintenance
- Improves air quality through fine dust absorption and CO2 conversion
- Prevents graffiti
- Noise reduction
- Efficient use of space

FEATURES

- Unique green façade wall system
- Low water consumption
- Fully recyclable
- Instant greenery
- Two-sided greenery (car parks)

Outdoor	Car park	Hotel
School	Hospital	Shopping centre

TECHNICAL INFORMATION

DIMENSIONS

The dimensions of the standard planter are as follows: 50 x 50 x 390 cm (w x h x l). Other lengths (260 cm, 130 cm and custom-made dimensions) are available on request.

HEIGHT OF EACH ELEMENT

The green screens in the planters can be up to 220 cm high. The total height of an element (including planter and support points) is 285 cm.

WEIGHT

The total weight of a standard planter with green screens measuring 390 cm in length and 220 cm in height is 1450 kg (at maximum saturation). This equates to approximately 140 kg per square metre of green wall surface.

SUPPORT STRUCTURE

A robust support structure is required to bear the weight of the WallPlanter elements. Depending on the load-bearing characteristics of the façade and the foundations of the building, the support structure can be attached to the façade, set on the ground or integrated into the structure that bears the building.

PLANTER INSTALLATION

The planters must be installed on the bearing structure with a crane.

IRRIGATION

An irrigation system provides water and nutrients to every planter. Drainage is included in every planter to prevent excess water accumulation in the planter (e.g. after heavy rainfall). The drainage removes excess water and supplies the plant roots with oxygen.

TECHNICAL ROOM

A technical room of approximately 4 m² is required to supply water and nutrients to the planters. The ideal location for the technical room is near the green façade.

PLANTERS

The planters are made of high-quality aluminium with drainage on all sides and an insulation layer including drainage at the bottom. The planters can be supplied in any RAL colour on request.