



Technical Datasheet

Plant Wall Adam



Manufacturer

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Product description

The Adam product is a plant wall and the solution for green façades, whether on new or existing buildings. In addition to creating vertical green spaces, especially in urban areas, the vegetation improves the climate and also has an insulating effect, both in frost and heat.

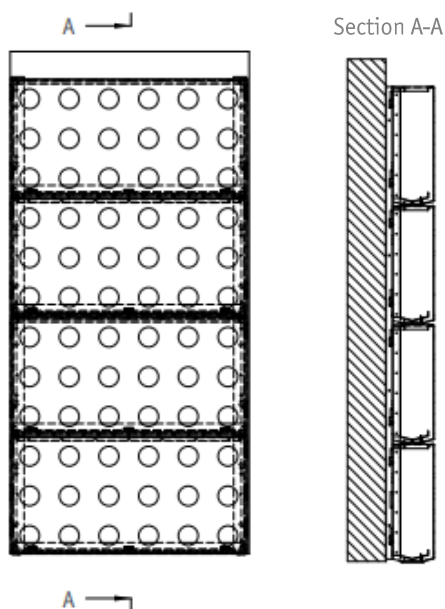
Thanks to the modular design, consisting of the substructure and the suspended plant cassettes, this system is very easy to install.

A 20 mm thick layer of Styrodur inside the cassettes protects the plants from adverse weather conditions. This prevents rapid drying out during the warmer months of the year, for example.

For the color design (powder coating), the customer can choose between all RAL and DB colors.

Drip irrigation hoses are recommended for watering, which provide all layers of soil in the Adam plant wall with the necessary moisture thanks to the continuous, slow release of water.

For advice on plants, substrates and more, please contact your landscaping grower. We do not offer irrigation.





Vertical Planting Cassette



Stepped Planting Cassette

Dimensions

The standard version of the cassettes has a width of 500 or 1,000 mm, a height of 500 mm and a cassette depth of 140 mm. The cassettes are hung in the substructure on the wall side. Planting openings \varnothing 84 mm including insulation, 20 mm Styrodur on request (*holes for the planting holes are not included*)

However, custom-made products are also implemented on customer request.

Variants

Substructure

- U1: suitable for screwing directly onto the wall (*concrete*), whereby the wall must be able to carry the load statically, as about 140 kg/sqm act on the wall. Used to embellish simple concrete walls, the boxes are hooked into the rail.
- U2: a foundation is poured on which the "feet" of the Adam stand, the tipping load is absorbed on the wall by holders. This variant is suitable for curtain walls at a maximum height of approx. 6 m.
- U3: the plant wall is attached to the wall and is thus self-supporting. An additional layer of insulation is applied around the holders and a diffusion layer is glued on.



There are two different boxes available. On one hand, for vertical planting, in which the plants are planted in the hole cut-outs of the boxes at the front -> an area-wide, vertical planting of the façades, and on the other hand for sloping planting. The boxes are inclined so that a semi-upright planting with a greater variety of plants is possible. The weight per m² including potting soil and planting is approx. 140 kg saturated with water. Depending on the planting and potting soil/plant granules, the values can vary, so it is important to follow the manufacturer's instructions for these products. The statics must be clarified by an external specialist.

Both variants are perforated so that the water can drain between them.

Materials used

We only use European material from Germany, Sweden, France and Italy for our products.

Material specification planting wall

Aluminium (*with a recycled content of at least 55 % (AlMg3)*) with a substructure made of hot-dip galvanised sheet steel and aluminium tubes for the substructure U2.

Material thickness: 2.0 mm

Processing and care instructions

Cleaning the planting wall must not be done with strong acids or bases, but by hand with a broom or, if necessary, with a high-pressure cleaner.

Further installation and usage instructions as well as information on the material can be found at: <https://www.richard-brink.de/en/downloads/overview.html>