



STEELAB

SAR - Planter with integrated water reserve saucer



Presentation

Made-to-measure planter in welded aluminium with integrated water reservoir.

Description

The bottom of the planter forms a watertight saucer with a side spillway in the event of water overflow.

The side walls of the planter and saucer are positioned vertically one above the other. The bottom of the plant tray forms a recess that fits into the saucer. This internal part is perforated to create a permeable separation between the growing area and the water reserve.

The two sub-assemblies are MIG welded, sanded for finishing before being painted and assembled.

Aesthetically, the planter has smooth, uniform surfaces throughout its height, with a neat joint line between the 2 elements.

The top edges of the panels are folded and counter-folded. Their dimensions are adjusted according to the format of the tray.

The fixings of the plant tray to its base are not visible.

Materials

Aluminium 3 or 5mm thick depending on the dimensions.
Aluminium is a naturally strong, light and durable material, making it an ideal choice for planters. Corten® or stainless steel versions are also available.

Finishes

The sub-assemblies are painted independently before assembly. Two finishes are available, depending on the constraints of the project :

- Liquid paint - Pickling / High performance epoxy primer / Polyurethane finish and varnish;
- Powder coating - Pickling / Epoxy primer / Polyester finish.

Installation

It is laid on the ground with a distributed load, using support pads hidden under the base of the saucer.

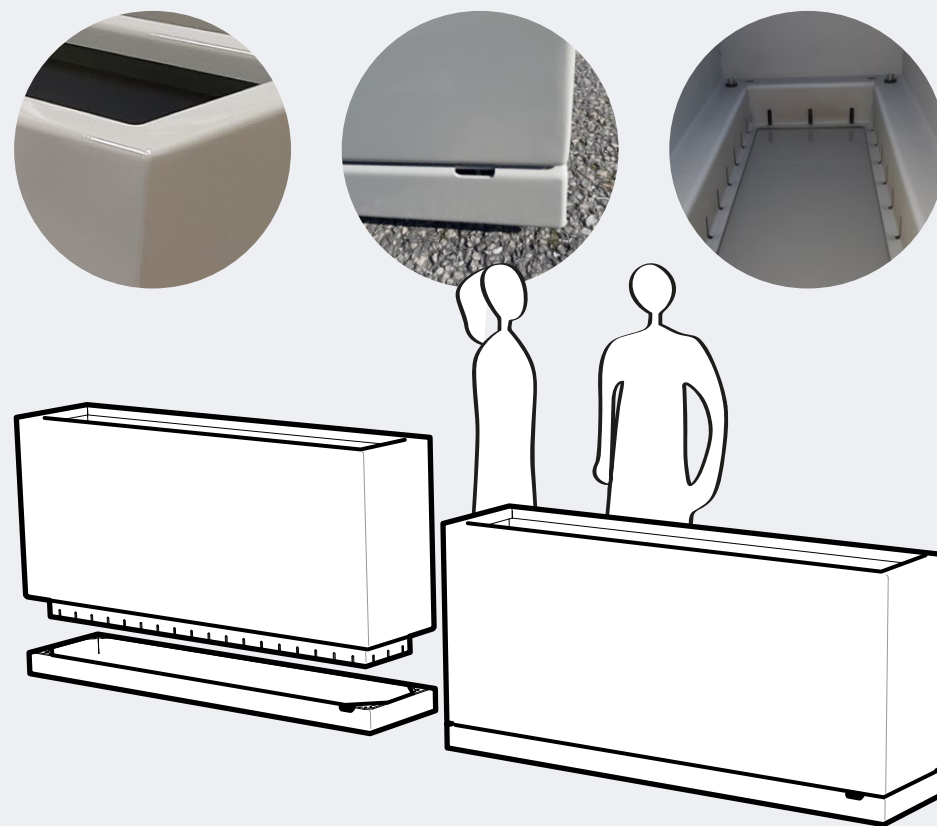
Water management

The water reserve consists of two zones. The peripheral part, isolated from the cultivation area, is left free to provide a high water storage capacity. The central part will be filled with aggregates and fitted with geotextile filters, forming a water exchange zone between the growing substrate and the water reserve. The water accumulated during watering periods is then returned to the plantation in dry periods. Extending the drainage layer slightly above the water retention limit ensures good ventilation of the substrate whatever the water level in the saucer.

Vertical Drainage

We recommend implementing vertical drainage along the side walls as it provides benefits both for the planter and its growing area.

Optionally, the planter can be pre-equipped with a high-performance drainage layer to ensure proper ventilation of the growing medium and to provide thermal and chemical separation between the plants and the lateral walls.



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