



STEELAB



SML - L-shaped retaining walls

Presentation

Aluminium retaining walls for planting of large bottomless planters.

The L-shaped wall is available in custom-made straight and corner sections to define the vegetalized area.

Description

The top edge of each element ends in a fold and a counter-fold.

The connection between each module is made on a straight edge of sheet metal, without a fold, by means of a joint plate. Fixings are not visible on the external surfaces and are secured by means that avoid the risk of galvanic corrosion.

Vertical ribs reinforce each element at the end, and additional reinforcements are added to maintain the rigidity of long modules.

Materials

Aluminium from 3 to 6mm depending on size.

Aluminium is a naturally strong, light and durable material, making it an ideal choice for planters. Corten® steel and stainless steel are also available.

Finishes

The facade of the retaining wall is painted on all the exterior faces and on the interior returns in an extensive manner. Two finishes are available, depending on the constraints of the project:

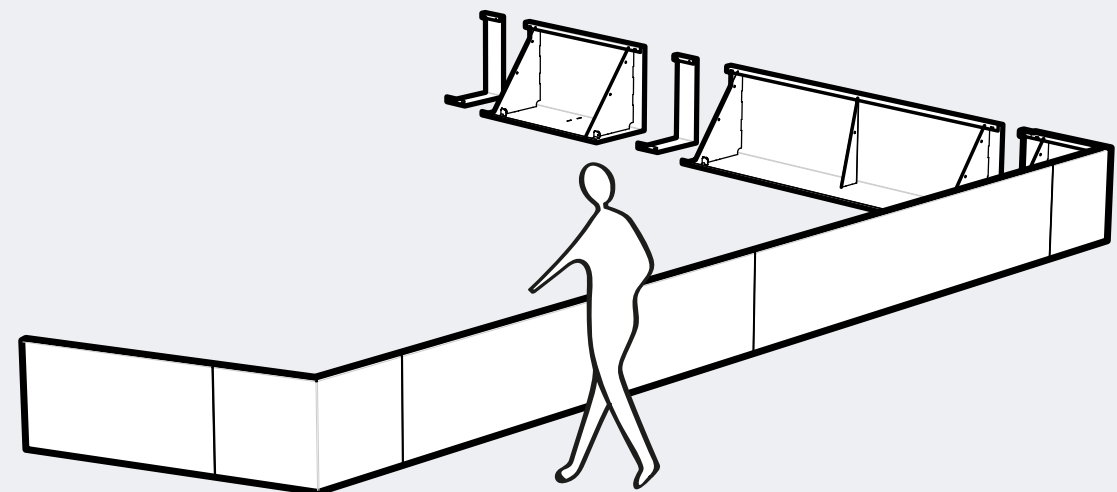
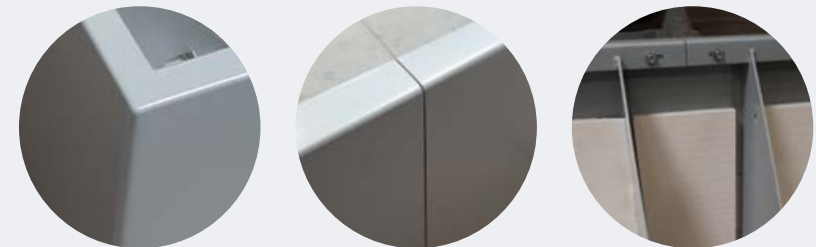
- Liquid paint - Pickling / High performance epoxy primer / Polyurethane finish and varnish ;
- Powder coating - Pickling / Epoxy primer / Polyester finish.

Installation

Retaining aluminium walls should be placed on a stable, level surface. A draining layer under the low walls will prevent water run-off from being retained by the planter. A protective interlayer can be provided to prevent paint abrasion.

The joint ensures that the modules are aligned with each other and absorbs the effects of thermal expansion, particularly over long lengths. This connecting piece allows each module to be dismantled independently for maintenance purposes.

To fulfil its soil retention function, the low wall can be self-stabilising or sealed. Self-stabilising installation requires a footing equivalent to the height of soil retained. When it can be sealed, this footing can be reduced but will be completed by frame braces joining opposing modules.



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