



STEELAB



# SML - L-shaped retaining walls

## Presentation

Aluminium retaining walls designed for bespoke greening of large, base-free planters. The L-shaped walls are available in straight elements and bespoke corner elements, allowing the planted area to be defined.

## Description

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

The connection between each module is made on a straight sheet metal edge, without fold, using a splice-type connecting piece. Fixings are not visible on the external faces and are designed to prevent any risk of galvanic corrosion.

Vertical ribs reinforce each element at its ends, with additional stiffeners incorporated to maintain rigidity on long modules.

## Materials

Aluminium from 3 to 6 mm depending on dimensions.

Naturally durable, lightweight and long-lasting, aluminium is a particularly suitable material for the manufacture of planters and retaining walls.

Variations can be supplied in Corten® steel or stainless steel.

## Finishes

The façade of the low wall is painted on all exterior surfaces as well as on the interior returns extensively.

Two finish systems are available depending on project constraints :

- Liquid paint – Pickling / High-performance epoxy primer / Polyurethane top coat and varnish
- Powder coating – Pickling / Epoxy primer / Polyester finish

## Installation

The aluminium walls are installed on a stable, level surface. A drainage layer under the low walls will allow water to flow freely without any retention. A protective spacer can be added to prevent paint abrasion.

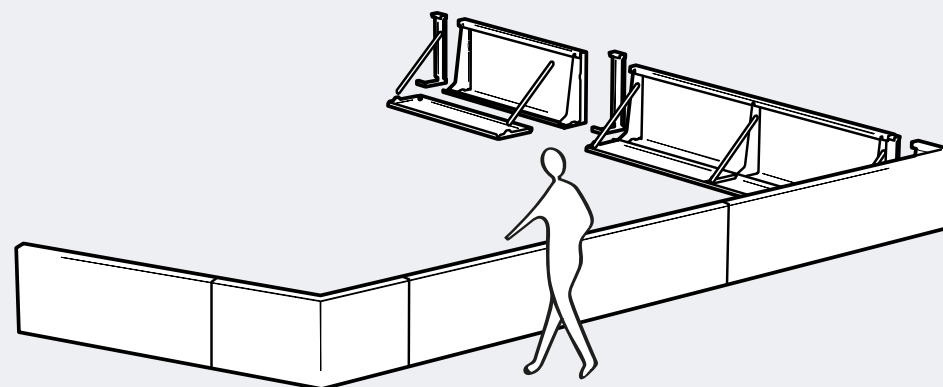
The connecting splice ensures accurate alignment of the modules while allowing for thermal expansion, particularly over long lengths. This connection system also enables each module to be dismantled independently for maintenance purposes.

To fulfil its soil-retaining function, the low wall can be either self-supporting or anchored. A self-supporting installation requires a footing equivalent in width to the retained soil height. When anchoring is possible, this footing can be reduced but will be supplemented by anchored struts, or tie rods connecting opposing modules.

The finishes and assembly principles are identical to the SAS-L range, allowing harmonious combinations to meet the most complex project requirements.

## Vertical Drainage

The installation of vertical wall drainage offers advantages for both the container and the growing area. STEELAB SML L-shaped walls are supplied as standard pre-equipped with a high-performance drainage membrane, ensuring good ventilation of the growing area and providing thermal and chemical isolation of the planting from the walls.



STEELAB

a brand

ATELIER SO GREEN

[www.ateliersogreen.com](http://www.ateliersogreen.com)

[contact@ateliersogreen.com](mailto:contact@ateliersogreen.com)

T - 33 (0)2 47 65 13 62

Création Jean Claude Joly sarl  
9, rue Allaire - ZA la Canterie  
37800 Ste Maure de Touraine  
FRANCE