

# EASIWALL – LIVING WALL SYSTEM



## Product Notes

Designed and developed in house by Treebox, the **Easiwall** system is a modular design living façade system designed to provide ample growing room for a wide variety of plants. Can be used to brighten up a façade or introduce greenery into courtyards, balconies and light-wells.

- ✓ Residential and commercial applications.
- ✓ Suitable for both interior and exterior applications
- ✓ Can be scaled up by simply adding modules.
- ✓ Low water consumption only 1ltr/sqm per day
- ✓ Panels are easily modified with standard tools.
- ✓ Planted in situ and easily replanted if required
- ✓ Robust and Fast to install
- ✓ Free standing load to 2mtr height



<b>Standard dimensions (mtrs)</b>	1x1/1x2/0.5x1/0.5x2
<b>Empty unit weight</b>	30.5kg
<b>Planted weight</b>	140kg (70kg/sqm)
<b>Withstanding loads</b>	100kg/m <sup>2</sup>
<b>Main irrigation line</b>	16-32mm
<b>Drip line</b>	12-16mm, 150 cts
<b>Nutrient feeding unit</b>	Optional, Dosatron
<b>Trough depth</b>	200mm
<b>Pot size</b>	1-1.5liter plants
<b>Plants density per sqm</b>	25-35
<b>Design life</b>	10years

<b>Vegetated panel</b>	Vegetated vertical cladding panel with waterproof barrier made from recycled polypropylene. Planted with herbaceous varieties in a blended organic/inert substrate. Utilizing artificial irrigation.	Manufacturer: <b>Treebox Ltd</b> Material: <b>5mm Poly prop</b> Type: <b>Easiwall Pro</b>
<b>Loadings</b>	Easiwall Pro standard 1x1 msq unit weighs 15.2 kg - empty. Fully planted unit with mature plants and saturated substrate weighs 70kg / sqm	Manufacturer: <b>N/A</b> Material: <b>Poly propylene</b> Type: <b>Easiwall pro</b>
<b>Support rails</b>	When fixing the unit to a wall, it is recommended that horizontal and/or vertical supports rails are used for even load distribution. Seek Architect and structural engineers' specifications if required. <i>J Rails can provide an air gap between original structure &amp; vegetated panels.</i>	Manufacturer: <b>SAPA Profile UK</b> Material: <b>Aluminium alloy</b> Type: <b>Alloy 6063HIP</b>
<b>Fixings</b>	Once assembled, each Easiwall-Pro panel requires a minimum of 4 fixings. Ideal fixing points have been provided on each panel. Panels Can be side-fixed to posts or into supporting wall. M8-M10 masonry anchors also suitable.	Manufacturer: <b>Chidean Industrial Corporation</b> Material: <b>Stainless steel</b> Type: <b>M6 Stainless</b>
<b>Substrate</b>	A blend of organic and inert minerals used as standard. Where vegetation is regularly changed a higher compost volume should be used, e.g. edible walls.	Manufacturer: <b>Optigreen UK</b> Material: <b>Roofing substrate</b> Type: <b>Intensive Type I</b>

## Gardening is looking up

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<b>Irrigation</b>	Dripline is PCND line with outlets at 150mm centres at a rate of 1.6L per hour per dripper. 30 dripper per sqm. Control via suitable GSM unit (Heron or similar) Refer to <b>irrigation spec sheet</b> for more detail.	Manufacturer: <b>Heron</b> Type: <b>Automated</b> Type: <b>Tank and pump</b>
<b>Planting</b>	Use 1ltr size plants at density of 25-35 per sqm planted in situ, species should typically have a Growth height between 300-600mm, 90% to be evergreen for year round coverage avoid grouping deciduous varieties together.	Manufacturer: <b>N/A</b> Material: Type:
<b>Waterproofing Drainage</b>	Recommend use of a DPM or similar membrane to cover entire area behind installation to prevent water ingress. Excess water captured within concealed PVC gutter and direct to nearest suitable drainage point beneath finished surfaces.	Manufacturer: <b>Treebox Ltd</b> Material: <b>PVC</b> Type: <b>120mm square profile</b>

## Installation Notes

- 1) **Cover supporting wall**, with DPM or similar membrane to cover entire area behind installation to prevent water ingress, make sure to direct membrane into gutters and any perimeter trims.
- 2) **Mount horizontal 'J' rails**, or timber battens using suitable fixings into supporting wall at 600 maximum ctrs
- 3) **Pre assemble Easiwall panels**, and mount onto Rails or battens at 4 points per panel
- 4) **Insert irrigation lines**, throughout system and direct to control valves. Use vertical stacks per zone and branch horizontal Drip lines from main line stack.
- 5) **Fill with approved substrate**, in all troughs level with internal dividers
- 6) **Planting**, work to design in grid like pattern starting from the top preferably, firm all root balls into substrate making sure no air gaps remain and drip lines are concealed behind the plants.

## Additional Notes

These notes are for guidance only. Visit Treebox website for a full list of recommended plants and further information on maintenance.

Easiwall- Pro units are available in the following dimensions 0.5m(w) x 1.0m(h), 0.5m(w) x 2.0m(h) and 1.0m(w) x 1.0m(h).

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