# Technical Specifications

| Hydroponic System (Rainwater Harvesting) | | Green Roof |
|---|---|---|
| Overall depth | Waterproofing, drainage, substrate and planting. | 50mm |
| Saturated weight | | 35.5kg/m$^2$ |
| Rain harvesting tank | Required | Surface or Sub-surface |
| Water circulation | Required | Photovoltaic or mains |
| Plant varieties | | Various |
| Environmental Benefit | | 1tonne $CO_2$ saving / 22m$^2$ |

| Non-Hydroponic System | | |
|---|---|---|
| Overall depth | Waterproofing, drainage, substrate (70mm) and planting. | 130mm |
| Saturated weight | 130mm depth | 130kg/m$^2$ |
| Water circulation | Not required | n/a |
| Rain Harvesting tank | Not required | n/a |
| Plant varieties | | Various |
| Environmental Benefit | | 1tonne $CO_2$ saving / 22m$^2$ |

| Hydroponic System (Rainwater Harvesting) | | Green Wall |
|---|---|---|
| Overall depth | Scaffold, waterproofing, drainage, substrate and planting | 195mm |
| Saturated weight | Substrate and planting | 35.5kg/m$^2$ |
| Air Gap | Green facade / existing structure | 100mm (min) |
| Rain harvesting tank | Required | Surface or Sub-surface |
| Water circulation | Required | Photovoltaic or mains |
| Plant varieties | | Various |
| Environmental benefit | | 1tonne $CO_2$ saving / 22m$^2$ |


Distributed by:

CityRoofs

**0800 328 7084**
**www.cityroofs.com**

Radway Green Business Park,
Radway Green, Crewe,
Cheshire, CW2 5PR

CityRoofs is a Zoontjens Company, a member of CRH Plc


# Cooler, Cleaner, Greener Cities

## Aquadyne™ Green Facades & Green Roofs

Aquadyne™
a product of econoplas ltd

## Green Facades
## Green Roofs
## Bio Architecture
## Living Structures

Aquadyne Green facades bring the natural world into the urban environment.

The unique, 100% recycled Aquadyne capillary substrate can be engineered to bring any structure, surface or space to life.

Suitable for:

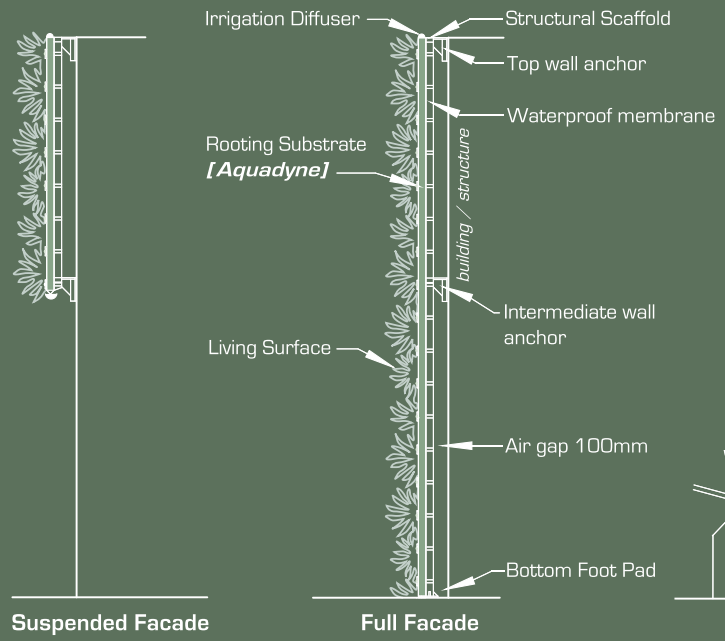
- Horizontal, pitched or vertical surfaces.
- Roofs, walls, free standing or suspended construction.

Benefits:

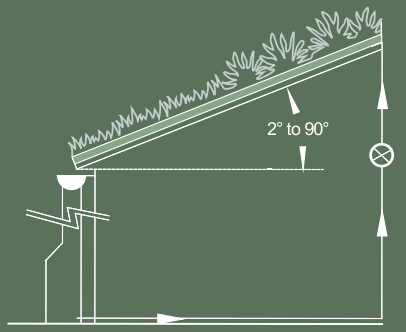
Thermal / energy saving, air filtration, reduced pollution, minimizes urban heat island effect, rainwater harvesting / suds (reduced / zero water discharge), ecological, biodiversity, social / environmental improvement, aesthetics.

- Lightweight, strong and structurally stable.

**Typical Construction Profile (vertical surfaces)**




**Typical Construction Profile (pitched surfaces)**




**Leading edge environmental technology:**

A direct saving of 1 tonne of $CO_2$ emissions for every 22m$^2$ of Aquadyne Green Facade / Green Roof