

Urbanscape Green Wall System

Why Green Walls?



Benefits

- ✔ Storm water management,
- ✔ Thermal performance,
- ✔ Sound insulation,
- ✔ Urban Heat Island (UHI) Effect Reduction,
- ✔ Air cleaning,
- ✔ CO² footprint reduction,
- ✔ Improved comfortability for residents,
- ✔ Fire resistance,
- ✔ Natural look, always green,
- ✔ Natural habitat,
- ✔ Clean and quick installation.

Facts and figures

- ✔ Noise reduction up to 10 dB (A),
- ✔ 1m² of green wall removes 2.3 kg of CO₂ per m² from the air,
- ✔ 1m² of green wall produces 1.7 kg of oxygen per year,
- ✔ Up to 20% of air pollutants are absorbed,
- ✔ Improvement of biodiversity.

Key Facts

- ✔ Waterproof,
- ✔ Light weight,
- ✔ Fixable,
- ✔ Optimal internal water distribution,
- ✔ Extern UV protected fleece,
- ✔ Durability 20 years,
- ✔ Superior sound performance,
- ✔ Easy and compact for transportation and installation,
- ✔ Pre-grown (Delivery from stock directly or via local nursery)



Plant Care System

- ✔ Efficient water & plant nutrition supply,
- ✔ Suitable for extreme conditions,
- ✔ Root protection,
- ✔ Water reuse,
- ✔ 24/7 remote control monitoring,
- ✔ Pruning,
- ✔ Web based module,
- ✔ Frost protection,



Green Wall Details

- ✔ Edge finishing and gutter Perfect connection to existing building structure to collect and remove residual water,
- ✔ Durable aluminum available in any standard RAL color.

Technical requirements

- ✔ A technical room where the irrigation system can be installed. Maximum distance to the green wall is about 30 meters,
- ✔ A back structure with a bearing load of minimum 45 kilogram per square meter,
- ✔ 20 mm water supply with stop valve ¾" external thread in this room,
- ✔ 50 mm drain incl. siphon in this room for the overflow,
- ✔ 230-volt double wall socket,
- ✔ Internet connection or 4G router,
- ✔ x 20 mm water pipes from the technical room (¾" bin with stop valve) to the wall (¾" bin). We divide the wall into compartments in order to be able to steer the water,
- ✔ ETY cable for moisture and temperature sensor,
- ✔ 50 mm drain below the green walls.



Decoland



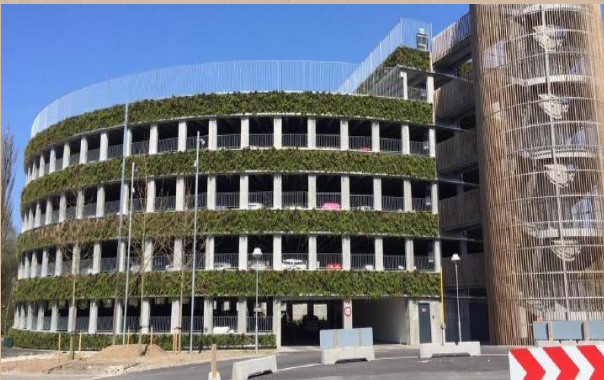
Projects



Head Office, Warsaw - Poland



One Hundred Restrooms, Madrid - Spain



Parking of hospital, Glostrup - Denmark



Aalberts Bouw, Loosdrecht - The Netherlands



Pump house, Helsingborg - Sweden



Grand Cafe Fortuyn, Haarlem - The Netherlands



Yichang Road, Shanghai - China



Greenhouse Antwerp, Antwerp - Belgium