LiveRoof®

Modular pre-vegetated greenroof system.

LiveRoof® is a modular pre-vegetated greenroof system developed by horticulturalists in a collaborative effort with experts in the fields of logistics, architecture, manufacturing, construction, greenroofing and ergonomics. From its effective drain slots to its unique patent-pending Soil Elevators™ and Moisture Portals™, the LiveRoof® system is specifically designed to grow plants on a rooftop environment. Each LiveRoof® module arrives to the job site with full-grown plants inside the container and is simply set in place on the rooftop. The Soil Elevators™ are then removed for a seamless fit. No need to start with a brown roof and farm it for years, waiting for it to become a green roof.

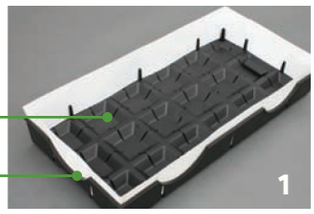
SIX SIMPLE STEPS

STEP 1

First the Licensed Grower inserts the LiveRoof® Soil Elevator™ into LiveRoof® module.

Horticulturist designed positive drainage configuration for healthy roots.

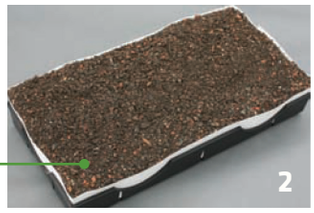
Moisture Portals™ allow moisture and roots to be interconnected between modules.



Step 2

LiveRoof® module is filled to the top of Soil Elevator with LiveRoof® engineered soil. Soil is settled by vibration and mechanically screeded off.

Ergonomic design, configuration and handles make LiveRoof® the safest, most efficient module to handle.



Step 3

LiveRoof® plants are grown to maturity above the LiveRoof® module.

Plants will grow from 25mm -50mm above the module.

Step 4

Installer sets LiveRoof® modules tightly in place on the roof from parapet to parapet or within LiveRoof® RoodEdge™, depending upon design.

Step 5

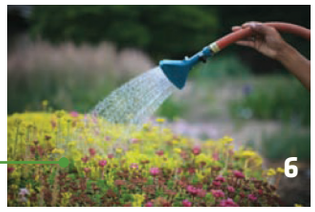
LiveRoof® Soil Elevators™ are removed for a beautiful, seamless instantly mature green roof.

Modules disappear under the cover of soil and plants.

Step 6

The entire system is watered thoroughly to settle any loose soil and to get your LiveRoof® off to a great start.

No ugly container to see, just beautiful greenery.



ENVIRONMENTAL BENEFITS

- Energy savings from insulation and evapotranspiration
- Noise reduction - Plants, soil and trapped air can reduce indoor sound by as much as 40 decibels
- Urban Heat Island mitigation. Green roofs cool the air, helping to reduce the difference between hot urban air and cooler rural surroundings
- Reduction of up to 80% of annual stormwater runoff

SOCIAL/AESTHETIC BENEFITS

- Improved physical and mental health from exposure to nature
- Increased sense of pride and place
- Green roofs are much better looking than asphalt, gravel or tar
- Natural views create more productive, healthy, happy, creative, relaxed people
- Green roofs expand the usefulness of buildings via patios, gardens and vistas

MAINTENANCE

- Stormwater360 offers complete maintenance services for installed LiveRoofs

LiveRoof® modules include a 20 year warranty. The LiveRoof®system is compatible with waterproofing system warranties of most major waterproofing manufacturers

www.stormwater360.co.nz

BETWEEN SKY AND SEA

LiveRoof® modules ready to deliver

LiveRoof® custom media mix

Easy transport and installation

AN INSTANT GREEN ROOF THAT WILL LAST FOREVER.

Because LiveRoof® is delivered around 95% vegetated, and because its roots are mature and extend to the bottom of the soil at the time of installation, there is minimal time, cost, or risk associated with rooftop establishment. When LiveRoof is installed, it is a fully grown, fully mature green roof.

Traditional green roof methods of planting 60 mm diameter plugs at 250 mm centers equates to 95% brown roof (exposed soil) and only 5% green roof (plant material). These traditional brown roof plantings are prone to wind and water erosion and weed encroachment. A brown roof also absorbs heat and diminishes the benefits of a green roof. LiveRoof® installations are conducted by trained independent installers committed to following the LiveRoof® standardised procedures for installation.

WHAT'S THE COST OF A GREEN ROOF?

Green roofs are an investment in the future and require significant effort in a number of areas before they can be installed.

- A green roof requires an engineered and reinforced structure before it can be installed, as a saturated and vegetated roof can weigh anywhere between 90-200kg per m^2
- The LiveRoof® system is suitable for membrane roofs less than 15 degree pitch. A green roof can not be installed on a steel roof
- LiveRoof® trays are pre-grown at a nursery for 3-4 months before install
- A LiveRoof® green roof can be installed at approx. $250-$500 m^2 dependent on depth, location and vegetation of the roof
- Once installed, irrigation may be required, and maintenance is required all year round.

LiveRoof® Installation

Completed LiveRoof®

CONTACT DETAILS

Stormwater360

FREEPHONE:
0800 STORMWATER
(0800 786769)

www.stormwater360.co.nz

Stormwater360®
BETWEEN SKY AND SEA