Rainbow® Growing Medium
For Extensive Green Roof System

Rainbow® Growing Medium for Extensive Green Roof System is a specially blend of clean, recycled crushed clay brick. The granular size is 0.063mm to 25mm, free draining organic material, allowing for a free draining of low nutrient and



The green roof growing medium consists of recycled or waste material of crushed clay brick obtained from local or regional sources. It contributes to the reduction of environmental impacts on the material source and respect to the amount of energy consumed to produce the material.



A wide range of blended substrates that are specifically designed for green roof growth.

PRODUCTION



1 Recycled of waste clay brick



2 Crush into aggregates



3 Granular aggregate mix with organic peat moss

PACKING



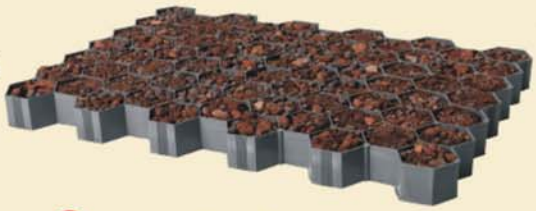


Green Roof Loading Pack
Dimension:1.0mL x 1.0mW x 1.2mH
Weight: 1,000kg/Bag
Volume: 1.2m^3/Bag

APPLICATION



1 Use for Flat Roof Planting Work



2 Use for Cell-Retention on Slope

This light weight, free draining, low nutrient and moisture retaining growing medium is made from 70% recycled materials in compliance with the stringent Soil Association standards and certifications along with the UK Green Roof Code of Best Practice. Ideal for use in extensive sedum blanket or sedum plug plant roofs. Recommended installation depth at 50 - 150mm.

SPECIFICATIONS

The characteristics and performance of the growing medium does comply with the FLL standards of Germany for Extensive Roof Greening(FLL,2008 edition)

Properties	Unit	Value
Granulometric distribution - Content of slurry forming parts (d≤0.063mm) - Content of fine/medium gravel (d≥4mm) - Density （Dry） - Density （Saturated）	 Mass % Mass % g/cm^3 g/cm^3	 ≤15 ≤50 0.70-1.00 1.15-1.45
Water/air control - Max water capacity - Water permeability mod	 Vol% mm/min	 35 - 65 0.6-0.7
pH value, salt content - pH value - Total Salt content	 G/L	 6.0-8.5 ≤3.5
Organic substances - content by loss of ignition	G/L	≤65



Portulaca grandiflora 松葉牡丹



Sedum lineare 佛甲草



Sedum aizoon 三七景天



Sedum mexicanum 金丘松葉佛甲草

Growing medium is specialized for the roof greening of sedum vegetation in Hong Kong and southern mainland China

PLANTING METHODS

Sedum Blanket:

A carpet of sedum species is field-grown to maturity, at 15-20 plants per m^2, enabling it to be rolled directly onto the prepared substrate. The installed sedum carpets should be thoroughly watered in and kept moist thereafter for 4-5 weeks, until the sedum become established. Mat edges are





Pit Planting:

Container young vegetation species are individually grown and planted, with the opportunity to provide a greater diversity of planted species. Subject to the plant species selected, plants should be installed at a typical coverage rate of 150mm to 300mm spacing.

PROPOSED PIT PLANT SPECIES



Arachis duranensis
蔓花生



Rhoeo dicolor
蚌蘭



Zebrina purpusii
紫吊竹草



Zephyranthes candida
葱蘭



Arrhenatherum elatius var
銀邊草



Asparagus densiflorus
天冬



Wedelia triobata
南美蟛蜞菊



Alternanthera dentata
紅龍草



Duranta repens "Golden Leaves"
金連翹



Sansevieria trifasciata var
金邊虎尾蘭

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Contract No.: 823B
MTRCL Express Rail Link
Shek Kong Stabling Sidings & Emergency Rescue Siding
Green Roof System Installation Work



1 Lifting of Growing Medium of Crash Clay Brick Mixture



2 Delivery of Growing Medium



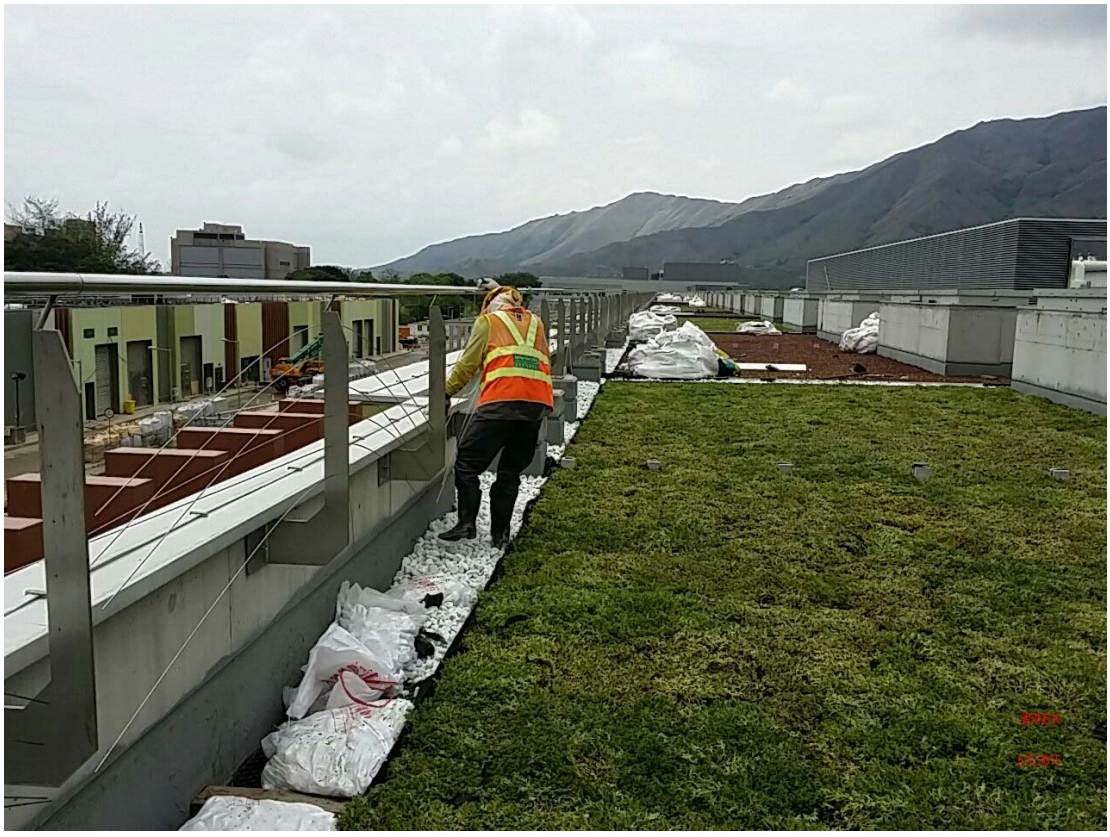
3 Leveling of Soil Surface



4 Delivery of Sedum Blanket



5 Laying of Sedum Blanket



6 Competion of Work



7 Watering once a week



8 Completion of Work

823B
Site Photo Record
2016-05-02



