



奇守環保綠化有限公司 K.S. Greenland Limited

Green Mat®



The greening of roofs is a worldwide trend for moderating the urban heat island effect, air purification and energy saving. Our patented invention **Green Mat®** has been assigned the PRC Utility Model Patent No. ZL201020122419.1 and the Hong Kong Short-term Patent No. HK1135557. It can provide an intensive or extensive green roof for the whole or part of the roof, for both new and existing low-maintenance buildings without sacrificing any functional space, and features easy installation and maintenance, a short construction

period and leak proofing. **The radical breakthrough with Green Mat® is that a green roof can be set up or dismantled swiftly without any impediment to roof maintenance.** The base of **Green Mat®** is elevated by tiny adjustable legs and leaves an air insulation layer above the roof surface. As such, heat conduction is cut off, and concrete erosion due to stagnant water is eliminated. **As the maximum live loads of Green Mat® is 95kg/sq.ft, you can walk around on it.** **Green Mat®** adopts the bottom communicating technique for water flow between units which can save both water and the labour costs of manual watering.

Green Mat® is an extremely environmentally friendly green roofing apparatus. It brings you 3 main benefits for only US\$33/sq.ft (including plants, soil, installation & maintenance) or US\$17 for **Green Mat®** only.

Environmental & Economical Benefits - effective building cooling, prolonging of roof life, reduction of the urban heat island effect, increase in energy efficiency, reduction of carbon emissions, slowing down of global warming, air purification, water saving, regulation of run-off and significant reduction of downstream flood risk.

Amenity and Aesthetic Benefits - The ordinary use of **Green Mat®** can increase leisure and functional open spaces. Using the integrated accessories, **Green Mat®** can offer the opportunity for growing trees and food-producing plants, and can be incorporated in a conventional garden. The natural scenery provided by plants will add significantly to human health and wellbeing.

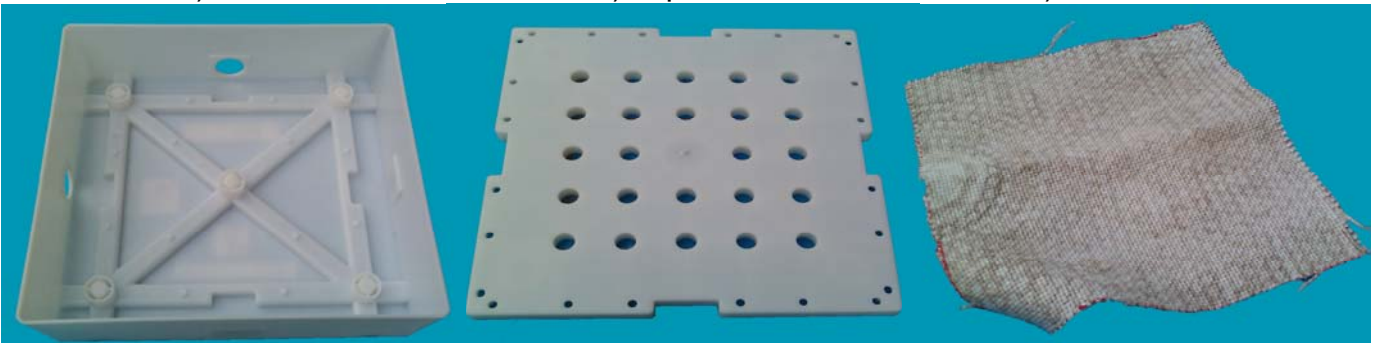
Educational Benefits - provides educational value through learning how to grow produce, enhances interactions between humans and nature, actively promotes environmental awareness.

Parts of Green Mat®

1) base

2) separator

3) filter cloth



4) adjustable legs

5) connector set

6) connecting tools

7) pipe connector set

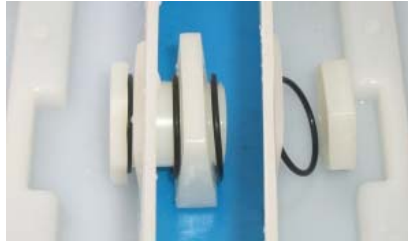


Installation

1. Insert the adjustable legs into the matching holes at the underside of the base. Adjust the length of the shanks exposed to set the base to a suitable gradient and height relative to the ground surface.



2. Assemble the bases, with 2, 3 or 4 side-openings as needed, with the connector sets until the required final size is reached.



3. Tighten the connector set firmly with the connecting tools to ensure no leakage.



4. Place the separator into the base and then fully cover it with the filter cloth.



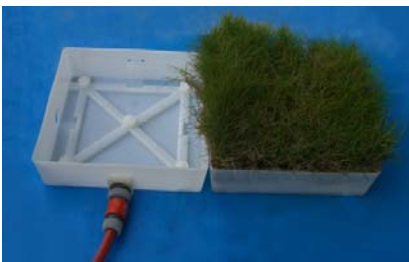
5. Dampen the soil and pack it into the base, up to the top of the base.



6. Firmly place the turf on the soil.



7. Connect the water pipe/hose and the pipe connector set to the base with the inlet hole.



Important Points

1. Set up the adjustable legs properly.
2. Use the connecting tools to completely tighten the connector set & pipe connector set.
3. The maximum live loads of Green Mat[®] is 95kg/sq.ft (about 200lb/sq.ft).
4. You can walk around on Green Mat[®], but please don't jump or run on it.
5. Be cautious about pesticide application.
6. Read and follow the Installation Instructions & Warranty Terms.

www.ksgreenland.com



QR code