




KOMIX
Since 2004

VersiDrain[®] 25P
VÌ TRỒNG CÂY TRÊN MÁI TÔN, MÁI BÀNG
TÍCH & TIÊU NƯỚC NGẦM

2

Water Storage & Drainage Tray

A lightweight water retention and drainage tray with water-storage cells connected by overflow channels designed to both facilitate the efficient discharge of excess subsoil water. Remaining water and soluble nutrients stored in the cells are returned, via evaporation and capillary action, to the planting media during dry periods whilst large drainage holes in the channels allow excess water to be efficiently drained away.

Khay tích nước và tiêu nước

VersiDrain 25P Khay tích và thoát nước cho cây trồng trên mái tôn, mái bằng để tạo mảng xanh. Khay được thiết kế siêu nhẹ. Đỉnh khay là các lỗ thoát nước tràn, mặt trên là các ô tích nước và dưỡng chất, dưới đáy là các rãnh thoát nước ngầm. Khi trồng cây, hơi nước bốc lên, mang theo dưỡng chất, làm cho đất ẩm và cây phát triển tốt cho dù thời tiết khô hạn. Khi mưa nhiều, nước vẫn thoát tốt, cây không bị chết do ngập nước.



Features & Benefits

1. High storage capacity (6.1 l/m²)
2. High strength
3. Effective drainage (1.5 l/m.s)
4. Lightweight (0.9 kg/m²)
5. Facilitates capillary irrigation
6. Reduces irrigation frequency
7. Reduces stormwater run-off

Applicable Areas

1. Existing concrete roofs
2. Metal decks
3. Patios
4. Walkways
5. Guard houses

Ưu điểm

1. Tích trữ được 6.1 l/m²
2. Chịu lực cao
3. Thoát nước nhanh (1.5 l/m.giây)
4. Rất nhẹ (0.9 kg/m²)
5. Tự tưới nước cho cây trồng
6. Giảm ngập úng cho cây trồng
7. Tích trữ nước mưa

Sử dụng

1. Mái bê tông hiện hữu
2. Mái tôn
3. hành lang
4. Các lối đi
5. Nhà kho

Advantages

EnviroMix GR

- Lightweight – suitable for existing roofs
- Soil-less media (97% inorganic)
- High water absorbency and retention
- Supports beneficial microbial activity
- Minimal maintenance
- Re-usable

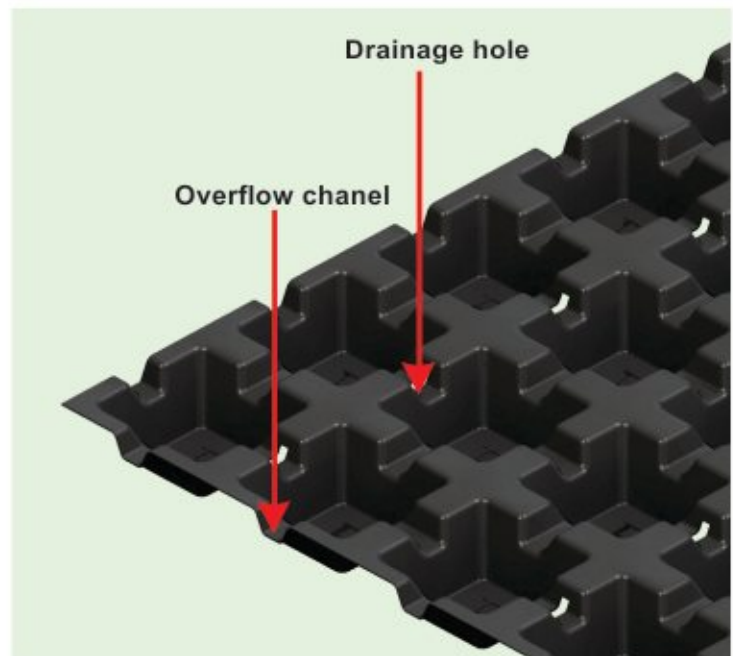
VersiDrain 25P

- Lightweight
- High water storage capacity (6.1 l/m²)
- Highly efficient drainage
- Rot and root resistant
- Recyclable



Specifications

Material	Polyethylene
Color	Black
Height	23 mm
Thickness	1 mm
Weight	0.9 kg/m ²
Roll size/dimensions	2.22 m x 1.33 m
Compressive Strength	50 kN/m ²
Fire rating	B2 (DIN 4102)
Water storage capacity	6.1 l/m ²
Flow rate @ 3% gradient	1.5 l/m.s
@ 2% gradient	1.2 l/m.s



Note: The information provided in this brochure is based on current knowledge and experience and does not infer any legally binding assurance or warranty, expressed or implied. Intending purchasers should verify whether any changes to specifications or applications or otherwise have been made since this literature was issued. The products in this brochure are manufactured using specified recycled plastics under detailed quality control standards and procedures. Factors including source of raw material and manufacturing processes may impact slightly on the strength of the modules.



VersiDrain® 25P is a lightweight water retention and drainage tray with water-storage cells connected by overflow channels designed to both store and facilitate the efficient discharge of excess subsoil water. Water and soluble nutrients stored in the cells are returned, via evaporation and capillary action, to the planting media during dry periods reducing irrigation frequency whilst large drainage holes in the channels allow excess water to be efficiently drained away preventing water-logging and promoting healthy plant growth. VersiDrain 25P is root-impenetrable, rot-proof and provides an insulating and protective layer above the waterproofing membrane.



Elmich Green Roof is lightweight, economical, environmentally-friendly, easy to install, virtually self-sustaining and requires minimal maintenance.



Elmich Green Roof offers architects and developers greater design flexibility and has a wide range of applications in the landscape, building and construction industries.



A green roof (aka extensive green roof) converts an otherwise dull conventional concrete or metal deck roof into an aesthetically pleasing, functional and environmentally-friendly roof. A typical green roof consists of drought-resistant vegetation grown in a layer of lightweight planting media laid on a geotextile fabric over a drainage and water retention layer.



Eimich Green Roof essentially comprises EnviroMix GR, a predominantly soil-less lightweight planting media, an approved geotextile filter layer and a VersiDrain® 25P water retention and drainage layer.

EnviroMix GR is a lightweight planting media incorporating a mix of natural silica and lime-based minerals with proprietary additives. Being lightweight, primarily inorganic and capable of high water absorbency and retention as well as able to support beneficial microbial activity, it is ideal for planting on low load-bearing areas like metal deck roofs over patios, walkways, guard houses and the like.





1

Install waterproofing liner to metal sheet roof

Trải nilon hoặc, màng chống thấm lên mái tôn



2

Install VersiDrain 25P

Lót tấm trải **VersiDrain 25P**



3

Lay geotextile fill enviromix soil

Trải vải địa và đổ đất trồng cây lên trên



4

Planting grass / medium trees

Trồng cây và hoàn thiện mái xanh

15 Joan Road
Singapore





**Aramsa Spa
@ Bishan Park
Singapore**

Hard Rock Hotel





HDB Car Park, Blk 309B
Ang Mo Kio Ave 1
Singapore

Pasir Ris Park
Singapore





**Universal Studios Singapore
@ Resorts World Sentosa
Singapore**



KOMIX

GREEN ROOF & GREEN WALL

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