

GREEN
TIMES
CORP®

Versi Drain® 6P

VỈ TIÊU NƯỚC NGẦM CHO SÀN BÊ TÔNG
& BẢO VỆ LỚP CHỐNG THẤM



- 1 Trồng cây trên sàn bê tông**
VersiCell®



- 2 Trồng cây trên mái tôn**
VersiDrain®25P - VersiDrain®6P



- 3 Trồng cây tự tưới nước**
Mep® Tray



- 4 Trồng cây trên tường**
VGM®



- 5 Trồng cỏ trên bãi đậu xe, lối đi**
TurfPave®



- 6 Trồng cỏ trên triền dốc, triền núi**
VersiWeb®



- 7 Trụ nâng sàn gỗ, đá...**
SpiraPave®



- 8 Trụ nâng sàn bê tông**
VersiJack®



- 9 Bể thu nước mưa**
VersiTank®



Under-screed drainage mat

A plastic interlocking drainage sheet positioned between the structural slab and cement/sand screeds. Prevents efflorescence and algae growth on tiles and pavers by stopping moisture and salts in the screed from migrating upward via capillary action.

Vỉ tích nước & tiêu nước ngầm dưới bê tông / vữa tô

VersiDrain 6P là vỉ thoát nước ngầm được chế tạo bằng nhựa, lắp đặt dưới lớp vữa xi măng, cát hoặc bê tông. Phía dưới vỉ là khoảng hở, có rãnh thoát nước và ngăn cản hơi nước bốc lên, hạn chế hiện tượng đọng nước, vôi hóa làm ố, vẩy bẩn các bề mặt hoàn thiện phía trên.



Features & Benefits

1. Efficient drainage under screeds
2. Minimises efflorescence & algae
3. Reduces surface cracking & frost expansion
4. High strength (~80t/m²)
5. Protects waterproofing membrane

Applicable Areas

1. Balconies, terraces & decks
2. Swimming pool surrounds
3. Changing & wash rooms

Ưu điểm

1. Thoát nước dưới sàn bê tông
2. Hạn chế nấm mốc, rỉ sét
3. Giảm vết nứt bề mặt
4. Chịu lực cao (~80 t/m²)
5. Bảo vệ lớp chống thấm

Sử dụng

1. Ban công, sân thượng & sân mái
2. Sân hồ bơi
3. Mương thoát nước, phòng giặt

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Môi trường xanh, mỗi hạnh phúc, mỗi an lành!

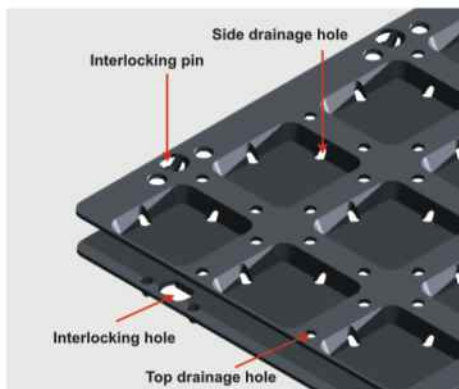


Advantages

- Effective drainage under screed
- Minimises efflorescence
- Reduces surface cracking
- Protect waterproofing membrane
- Easy to handle and install
- Snap-on interlocking modules reduce waste due to overlapping
- Root resistant and rot-proof
- Resistant to salts, inorganic acids and ground chemicals

Specifications

Material	Polypropylene
Sheet thickness	1.2 mm
Overall height	6 mm
Compressive strength	
Unfilled	min. 800 kN/m ²
With screed	min. 15,000 kN/m ²
Biological/Chemical Resistance	Resistant to ground chemicals, rot, moulds, algae, bacteria and root penetration.
Fire resistance	B2 (DIN 4102)



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®6P provides architects and developers with the definitive solution to minimising unsightly efflorescence on concrete and tiled surfaces.



Efflorescence, the white powdery substance that appear on the surface of concrete and tiles, is a common occurrence that is an eyesore and seriously affects aesthetic appearance.



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Efflorescence is caused by a combination of circumstances: soluble salts in the structural slab and screed, moisture dissolving the salts, and capillary action or hydrostatic pressure moving the salt-water solution towards the surface where the water evaporates leaving the unsightly salt deposit behind. Over time, excessive efflorescence may also cause expansion and pressure build-up in the screed resulting in surface cracks.



Efflorescence may be removed by pressure jet washing, scrubbing or by use of special cleaning products and acids. However, despite the incurrence of a great deal of time and money, these efforts cannot prevent efflorescence from re-occurring.

The long-term and cost-effective solution lies with breaking the chain of circumstances necessary for efflorescence to occur.

Applications

Typical areas of application include:

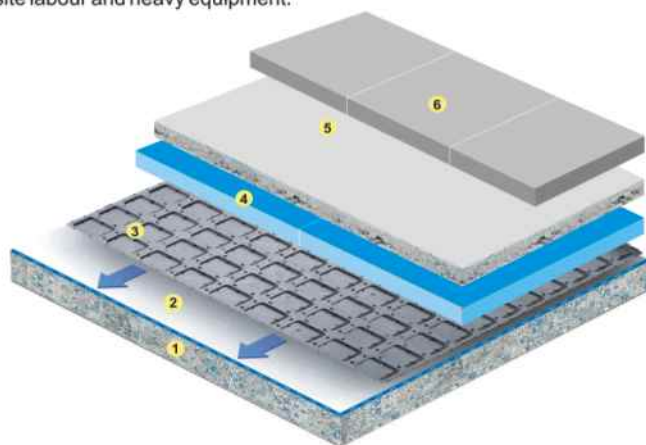
- Balconies, terraces and podium decks
- Swimming pool decks and patios
- Shower areas, changing and wash rooms





VersiDrain® 6P is a lightweight plastic drainage sheet that is positioned between the structural slab and topping screed. VersiDrain® 6P acts as a separation layer between the cement and sand screed with the tiles on top from the floor slab and creates a drainage and ventilation cavity that allows entrapped water in the screed to escape via drainage channels and perforations in the sheet and be drained away. Water and dissolved salts in the screed are thus prevented from accumulating beneath the tiles and contributing to pressure build-up and eventual surface cracks or from migrating upward, via capillary action, to the surface to form efflorescence.

When laid on waterproofing membranes, VersiDrain 6P also provides protection against damage caused by on-site labour and heavy equipment.



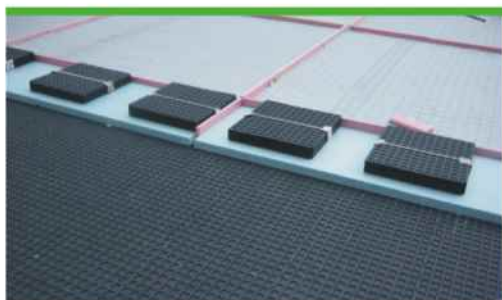
- 1 Sàn bê tông
- 2 Lớp chống thấm
- 3 **VersiDrain 6P**
- 4 Xốp cách nhiệt
- 5 Xi măng lót
- 6 Gạch hoàn thiện



1

The substrate already waterproofed & protected (option)

Mặt bằng đã được chống thấm và cán vữa bảo vệ nếu có (tùy chọn)



2

Install insulation board Miwa XPS or Winluck, PE film / geotextile & reinforcement steel.

Trải xốp cách nhiệt Miwa XPS / Winluck, trải nilon và lưới thép



3

Pour concrete, cut expansion joint, fill sealant.

Đổ bê tông lên, cắt ron và trám sealant.



4

Finishing

Hoàn thiện





Khoo Teck Puat Hospital Singapore



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**Tropical Marine
& Science Institute
Singapore**

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