VersiDrain® 6P

Under-screed
Drainage Mat

035 - 005
100% recycled
materials

ecospecifier

Enhancing Our Environment

VersiDrain® 6P enhances our environment by eliminating effloresence and algae on tiles and pavers.

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VersiDrain® 6P

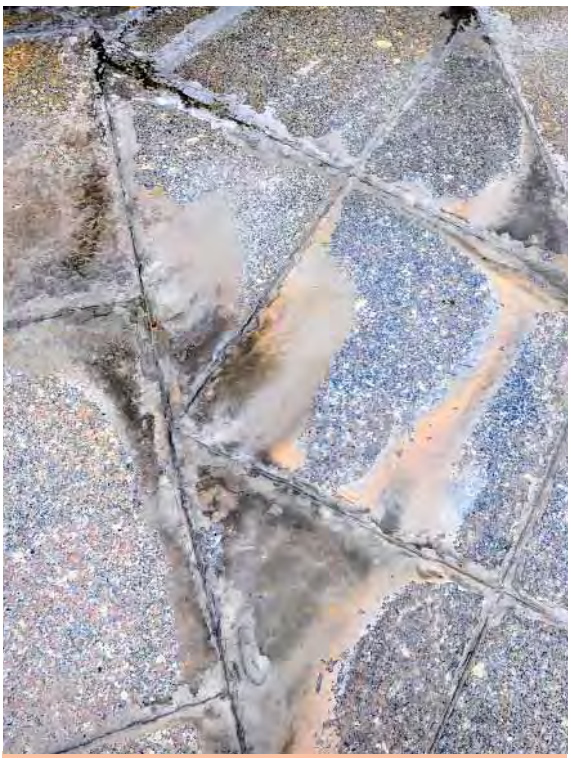
VersiDrain® 6P provides architects and developers with the definitive solution to minimising unsightly efflorescence on concrete and tiled surfaces.

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.

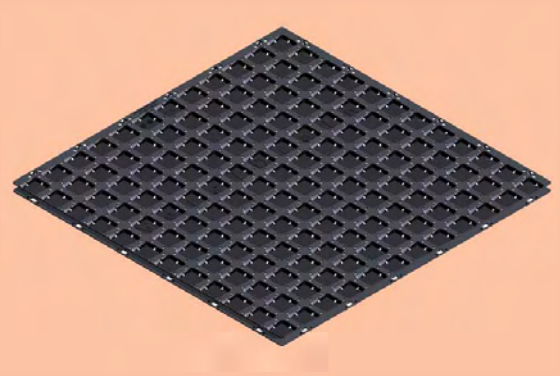
Efflorescence is caused by a combination of circumstances: soluble salts in the structural slab and screed, moisture dissolving the salts, and capillary action or hydrostatic pressure moving the salt-water solution towards the surface where the water evaporates leaving the unsightly salt deposit behind. 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.

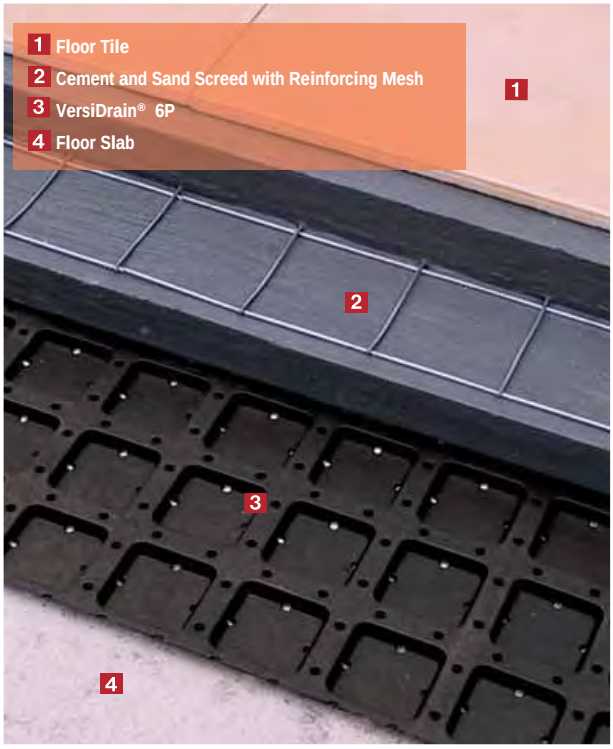


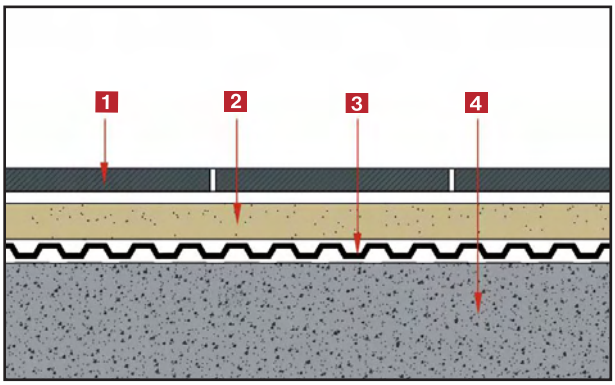
Unsightly efflorescence



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.

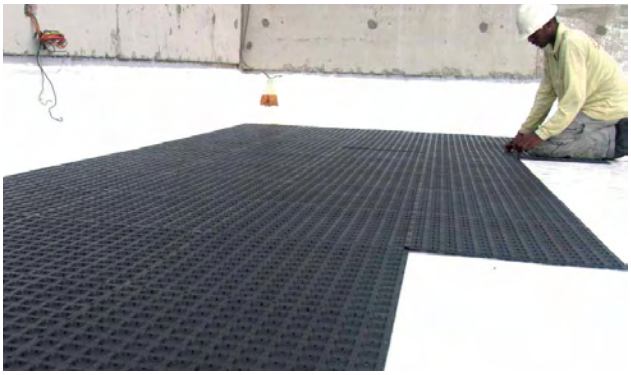




Applications

Typical areas of application include:

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

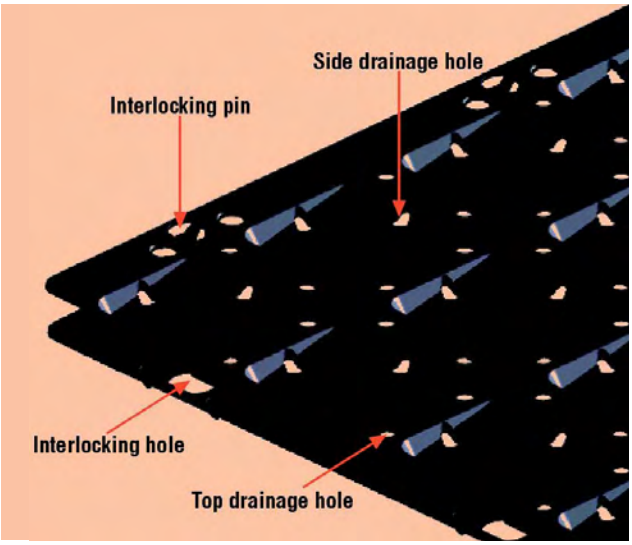


Advantages

- 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
Compresive 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)



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