

VersiDrain® 25P

Water Retention
& Drainage Tray



Enhancing Our Environment

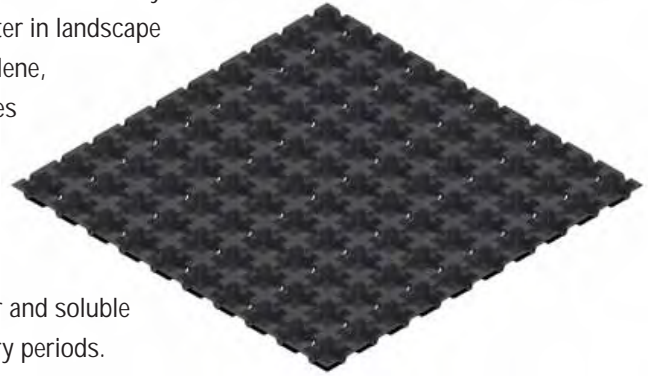
VersiDrain® 25P water retention and drainage tray enhances our environment by facilitating the construction of extensive green roof to reduce radiant heat from hard roof surfaces.



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VersiDrain® 25P water retention and drainage tray is a lightweight, cost-effective system comprising an array of cells that function to both store and drain water in landscape applications. Manufactured from UV-stabilized high density polyethylene, VersiDrain® 25P promotes the growth of healthier plants and reduces irrigation frequency.



The unique design of VersiDrain® 25P allows excess water to be efficiently drained away and at the same time stores water in a network of mini reservoirs spread across the entire area. The water and soluble nutrients that are stored in the cells are returned to the soil during dry periods.

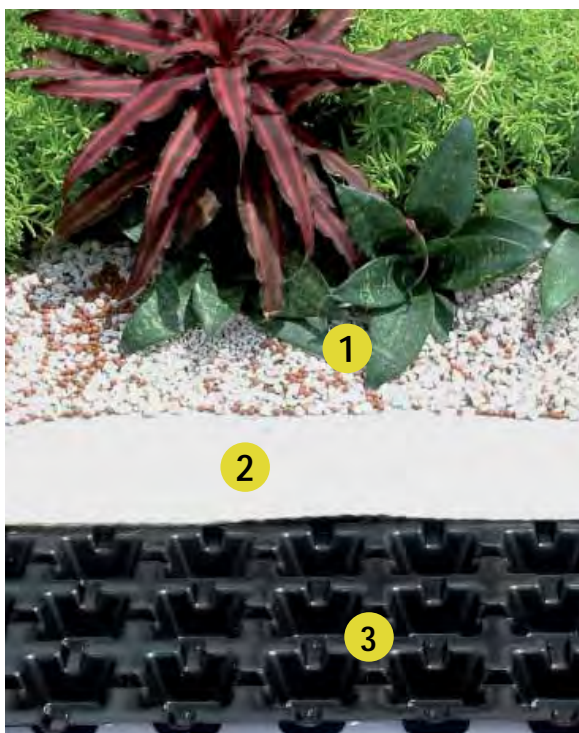
The cells in the VersiDrain® 25P are interconnected by channels that allow water to flow between the cells whilst holes in the channels ensure fail-safe drainage under extreme conditions. The high compressive strength of the VersiDrain® 25P protects the waterproofing membrane and effectively supports the weight of the growing media and plants.

Advantages

- Healthier plants
- Reduced irrigation frequency
- Resistance to ground chemicals and biological attack
- Root-impenetrable
- Improved protection of waterproofing membrane

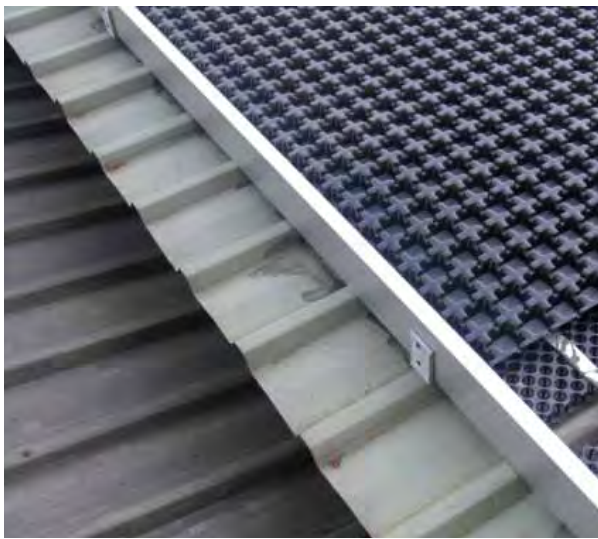
Applications

- Extensive green roofs
- Intensive landscape roof decks
- Planter boxes



1. EnviroMix® lightweight soil-less planting media
2. Geotextile
3. VersiDrain® 25P

The main application of **VersiDrain® 25P** is in the installation of extensive green roofs. A proprietary green roof system comprising of **VersiDrain® 25P** and a uniquely formulated **EnviroMix®** soil-less lightweight planting media provide greening solutions for both concrete and metal deck roofs.



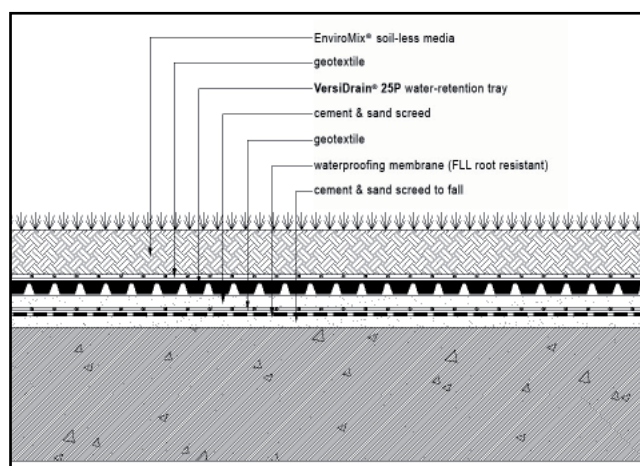
In pitch roof installation, aluminum restrainers are installed to prevent planting media from sliding off the roof.

Specifications

Material:	Polyethylene
Color:	Black
Stud 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
Permissibility:	0.81 l/m.s
Life duration:	> 50 years



Typical Green Roof Detail



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. Whilst VersiDrain® 25P is designed for its intended use, the design calculations shall be the responsibility of the Specifier and/or User.

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