



Quality Create The Future



AquaDrain 30P

Water Storage & Drainage Sheet

AquaDrain 30P

AquaDrain 30P water retention and drainage tray enhances our environment by facilitating the construction of extensive roofs that reduce radiant heat from hard roof surfaces.

AquaDrain 30P water retention and drainage tray is a lightweight cost-effective system comprising a network of cells that function to both store and drain water in landscaping applications. Manufactured from UV-stabilized high density polyethylene, AquaDrain 30P reduces irrigation frequency and promotes the growth of healthier plants.

The unique design of AquaDrain 30P stores water in a network of mini reservoirs but allows excess water to be efficiently drained away. The water and soluble nutrients stored in the cells are returned to the growing media during dry periods.

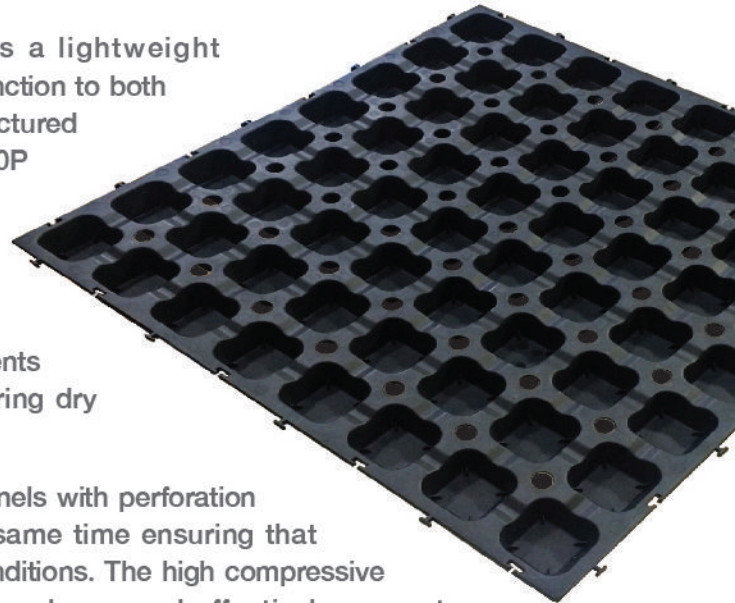
The cells in the AquaDrain 30P are interconnected by channels with perforation that allow water to flow between the cells whilst at the same time ensuring that excess water is efficiently drained away under extreme conditions. The high compressive strength of AquaDrain 30P protects the waterproofing membrane and effectively supports the weight of the growing media and plants.

Advantages

- Provides efficient drainage
- Reduced irrigation frequency
- Root and rot-resistant
- High storage capacity (12.8 l/m²)
- Lightweight
- Recyclable

Applications

- Intensive and Extensive green roofs
- Planter boxes
- Intensive landscape roof decks
- Roadside turf



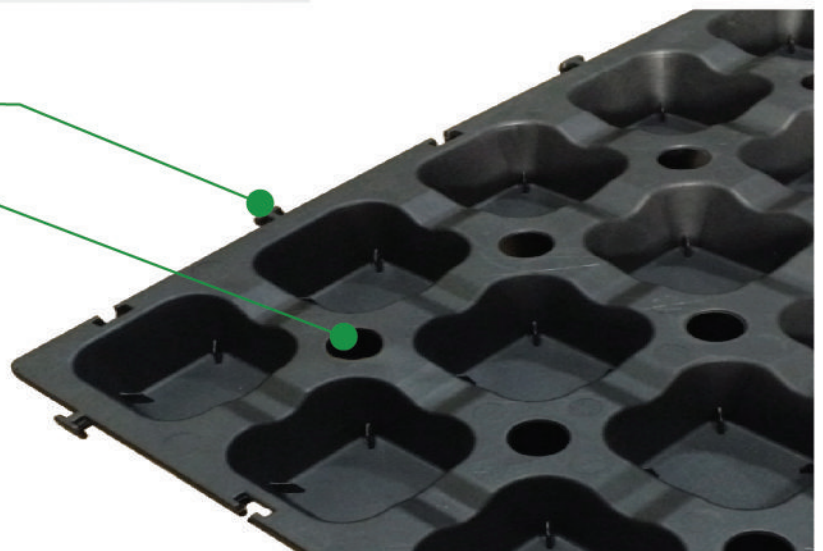
Lightweight soil-less planting media

Geotextile Filter Fabric

AquaDrain 30P

Interlocking

Drainage Hole



The main application of **AquaDrain 30P** is in the installation of extensive green roof systems. Zillion Innovation's proprietary greenroof system comprising of AquaDrain 30P and uniquely formulated Z'NutriBoard soil-less lightweight planting media provides greening solutions for both concrete and metal deck roofs.



Technical Specification

Material	Recycled Polypropylene
Height	30 mm
Width	500 mm
Length	500 mm
Weight	~2.7 kg/m ²
Compressive strength	min. 980 kPa
Water storage capacity	~12.8 l/m ²
Life duration	> 50 years



Typical Green Roof Build-Up

