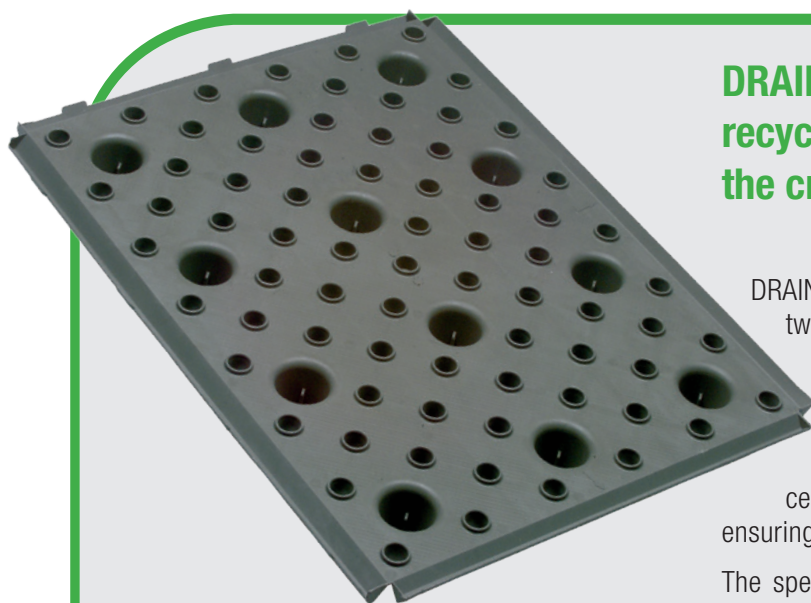


DRAIN FLOOR

Designed to create roof gardens

DRAIN FLOOR



DRAIN FLOOR is an element made from recycled polypropylene, designed for the creation of roof gardens.

DRAIN FLOOR is the only element capable of satisfying the two aspects which are essential for a roof garden: taking care of irrigation and maintaining the roots. For these functions the unit is fitted with 26 containers of water per square metre, which also serve as support bases, and 144 holes / m² that allow excess water to drain away and a sufficient water supply, ensuring optimal vegetative growth.

The special shape of «DRAIN FLOOR» makes it possible to create a 6cm air chamber to separate the waterproof membrane, thereby making it more durable.

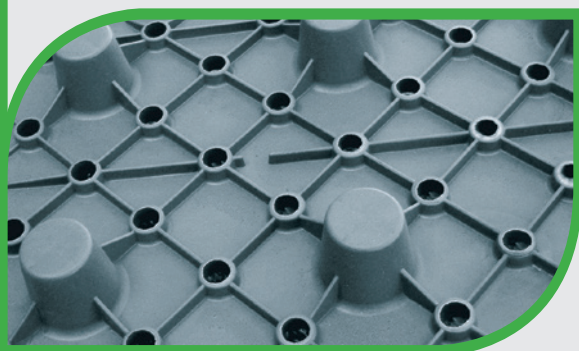
At the top there are imprinted arrows indicating the starting side. The elements are equipped with an interlocking system in order to speed up the laying process.

The choice to use a circular crown on the «DRAIN FLOOR» holes was dictated by the need to achieve the best possible water regime below the planting layer. Firstly it encourages and anticipates the filling of tanks in the event of light watering and / or low rainfall.

The polypropylene from which «DRAIN FLOOR» is made is completely impervious to attack from fertilizers and disinfectants.

«DRAIN FLOOR» is highly resistant to compression, and can support a heavy layer of soil, also allowing the transit of small machines for the preparation of the soil. «DRAIN FLOOR» is 40cm thick, and can bear the transit of small vehicles.

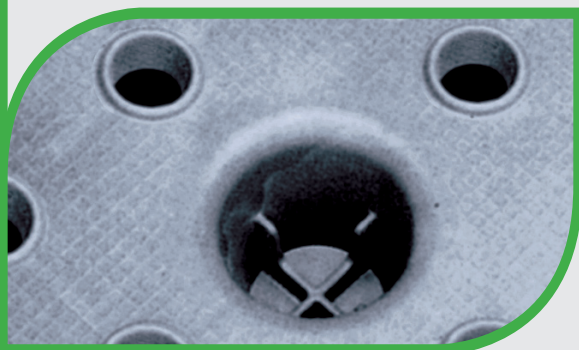
Installation is carried out directly onto the waterproofing layer, as there is no fear of causing damage to it; in fact, the support bases of «DRAIN FLOOR» are smooth and have a surface that does not interfere with the integrity of the layer of waterproof sealing.



Support base



Interlocking system



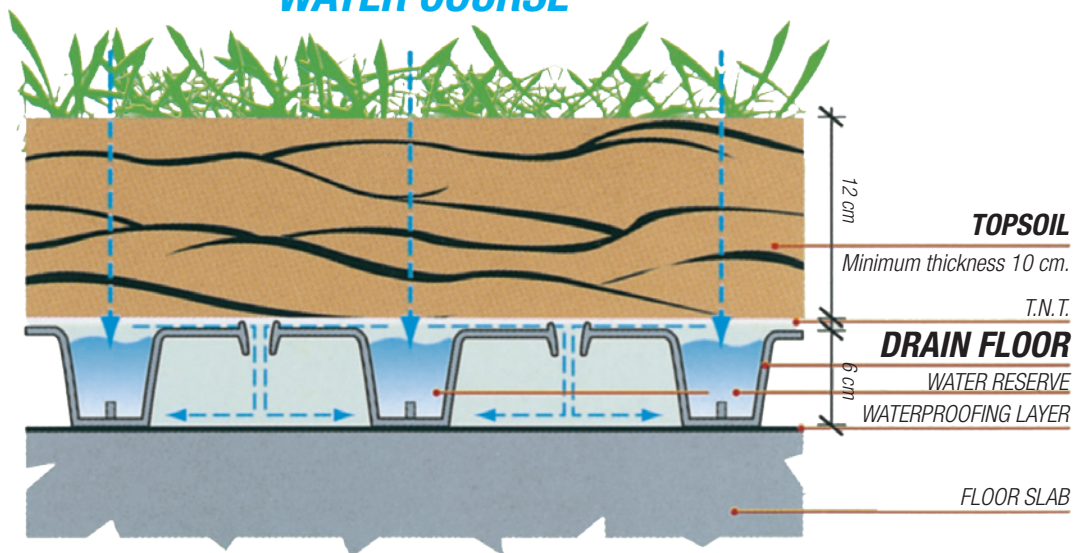
Detail of drainage holes with perimeter crown and tanks for water supply

TECHNICAL SPECIFICATIONS

COMPOSITION	recycled PP
DIMENSIONS	cm 60x80x6 h
COMPRESSIVE STRENGTH	kg 5000/m ²
RESISTANCE TO TEMPERATURE	C° -21/+53
DRAINING SURFACE	cm ² /m ² 1143
WATER SUPPLY	l/m ² 5
PACKAGING	pz 140/m ² 63



WATER COURSE



SPECIFICATION PLAN

- Supply and dry laying of a 0,20mm polyethylene sheet with overlapping zones with root inhibitor (optional).
- Supply and installation of DRAIN FLOOR drainage elements with water reserve, directly onto the waterproofing layer. The installation will also include any cuts, which can be made with a manual or electric hacksaw equipped with an iron blade.
- Laying of high-density 0.5mm thick indented membrane for the protection of the vertical flaps.
- Supply and laying of non-woven polyester or polypropylene needle punched or continuous thread of adequate grammage with high mechanical strength characteristics and radial permeability to water.
- Supply and laying of good quality soil in the required amount.

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