

System Platon® DE 25

Drainage and storage element for green roofs



- High storage capacity of 6.1 l/m²
- Drainage of excess water
- Fast and easy to install
- Used on more than 1,200,000 m² of roof surface

Dry and healthy buildings



Platon DE 25



Platon DE 25 – the universal solution

As a storage and drainage element, Platon DE 25 ensures adequate irrigation of green roofs while leading excess water reliably to the roof drainage. Platon DE 25 is a water storage and drainage sheet, both in extensive and semi-intensive green roofs. With a storage capacity of 6.1 l/m² it provides an optimal solution under normal weather conditions and with average drying-resistant plants.



5 – the universal solution



Green areas on hard or porous surfaces

With the System Platon, difficult surfaces such as asphalt and sand can be transformed into vibrant green areas. And this is not limited to roofs: with this solution green enclosures may be created in a wide variety of locations.



High stability

DE 25 serves as a decoupling layer and neutralizes tensions between the substrate and the roof surface. This prevents damage to the roof waterproofing. DE 25 is a stable and durable solution allowing foot traffic directly on the product during installation.



Perfect teamwork

Platon DE 25 consists of a network of small cavities in which water and soluble nutrients are stored. The integrated channels distribute water across the entire surface area. Excess water is led away through slits in the sheet as well as around the edges, and is effectively drained across the layer that is formed underneath the sheet. At the same time the slits in the sheet ventilate the root zone in the substrate from below.

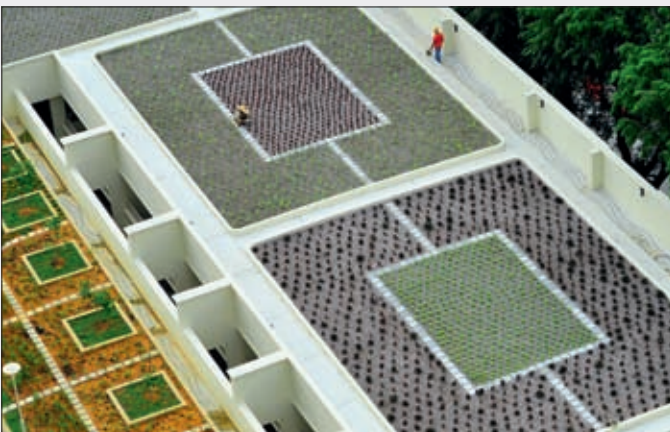


For green Roofs



Used around the world

With approx. 1.2 million square meters of DE 25 worldwide, Isola demonstrates expertise in green roofs over several years. Platon DE 25 forms the basis for durable and permanently beautiful green roofs on some of the world's largest green roof areas.



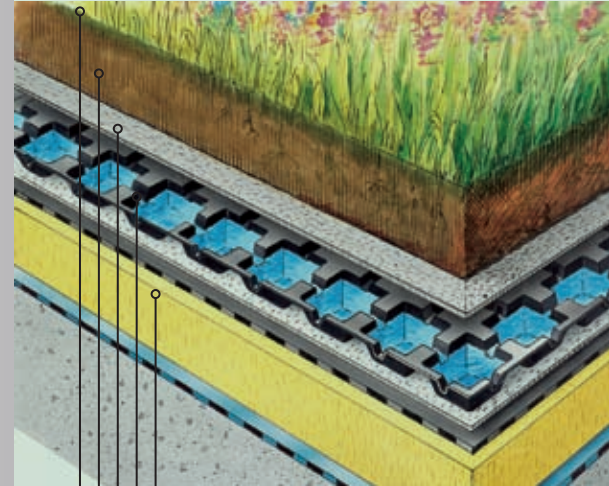
Functions

- Water storage and flat water distribution in excess roofing
- Horizontal drainage capacity
- Positive for the environment by re-using the rain water

Benefits

- 6.1 l/m² water storage
- Suitable for extensive or semi-intensive greening
- Wide choice of vegetation layers
- Can be integrated with various systems
- Drinking-water friendly
- Environmentally neutral
- High stability and compressive strength
- Fast and easy to install

Platon DE 25



Platon DE 25

Roof construction with insulation, waterproofing, and root-protection foil

Platon® DE 25

Filter fabric

Substrate

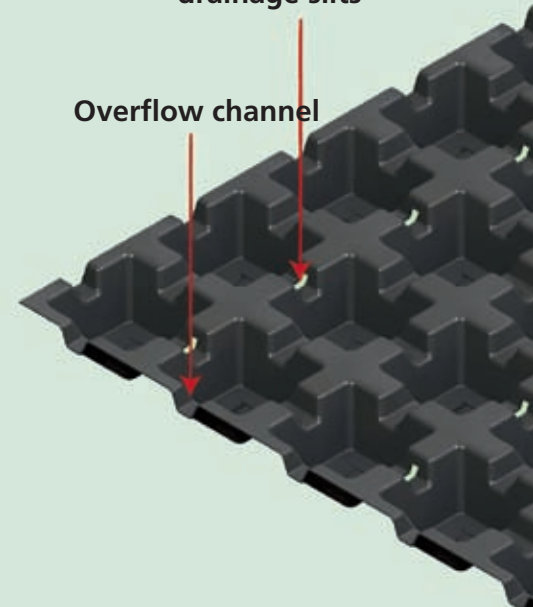
Vegetation

Ventilation and drainage slits

Overflow channel

Fast and easy to install

Platon DE 25 is supplied in sheets, size 1.33 x 2.22 m. Compared to products supplied in rolls, sheets save space during transport. This is also an advantage during installation. Sheets may be placed quickly because they retain their form during transport and storage as flat sheets.



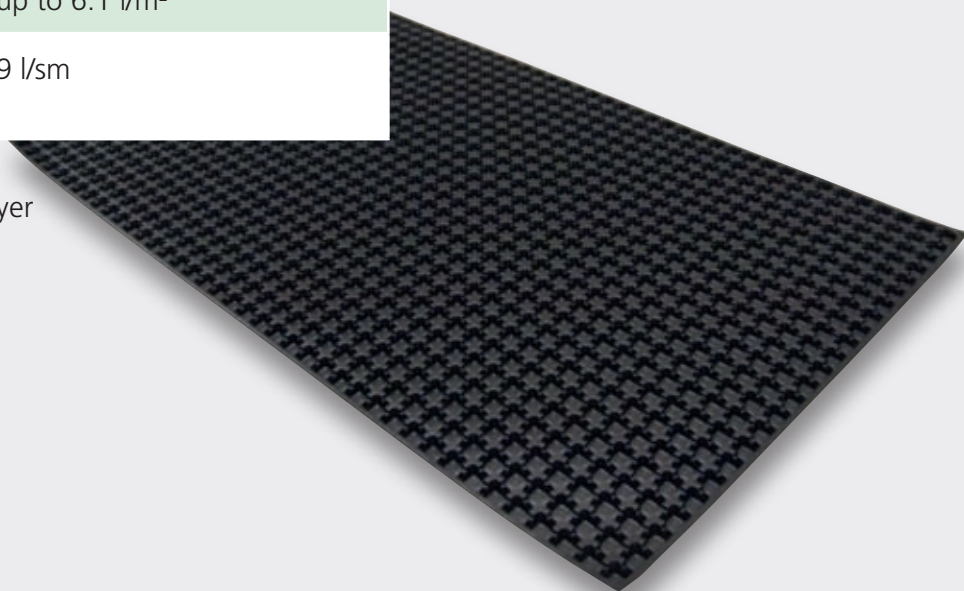
System Platon DE 25



Technical Data

	DE 25
Material	PE
Stud height	23 mm
Material thickness	1 mm nominal
Dimensions	1.33 m x 2.22 m
Weight 950	950 g/m ²
Max. compression strength	75 kN / m ²
Drainage capacity	up to 6.1 l/m ²
Water flow capacity (EN ISO 12958)	9 l/sm

CE marked to EN 13252 as drainage layer



Isola – a reliable partner

For more than 40 years, Isola – the inventors of the studded membrane – have been providing a reliable solution for the most different humidity problems and irrigation technologies called the System Platon. As a result of the continuous development of the shape and characteristics of the studded membrane we fully meet the requirements of modern construction and building methods.



Dry and healthy buildings



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