

TekDrain

GF 25 Green Roof Drainage Board

TekDrain GF Green Roof Drainage Board; is preferred in green roof applications since it is a durable product made of HDPE polyethylene. By means of its water retaining capacity in its reservoir, it helps the plants to grow without requiring any extra watering expense.

Fields of Application

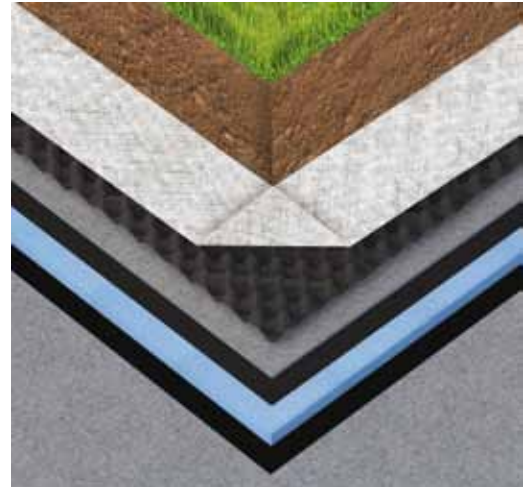
- Terrace roofs of buildings.
- Parking lot roofs.

Advantages

- It has a major role in building insulation.
- It provides significant savings in heating and air conditioning system costs and carbondioxide emissions of green building applications.
- Due to its plant layer, roof facade systems of the building are also protected against external factors.
- With multidimensional use of plant layer, it assists urban water management.
- Green roof and facade systems that can hold a significant amount of rainwater assists in water treatment.
- Investment to green building systems also provides savings in operation and investment to canalization systems and water treatment systems.
- Green roof application is known to improve air quality as well.
- It diminishes the effects of sun rays that affect the building.

Packaging and Storage

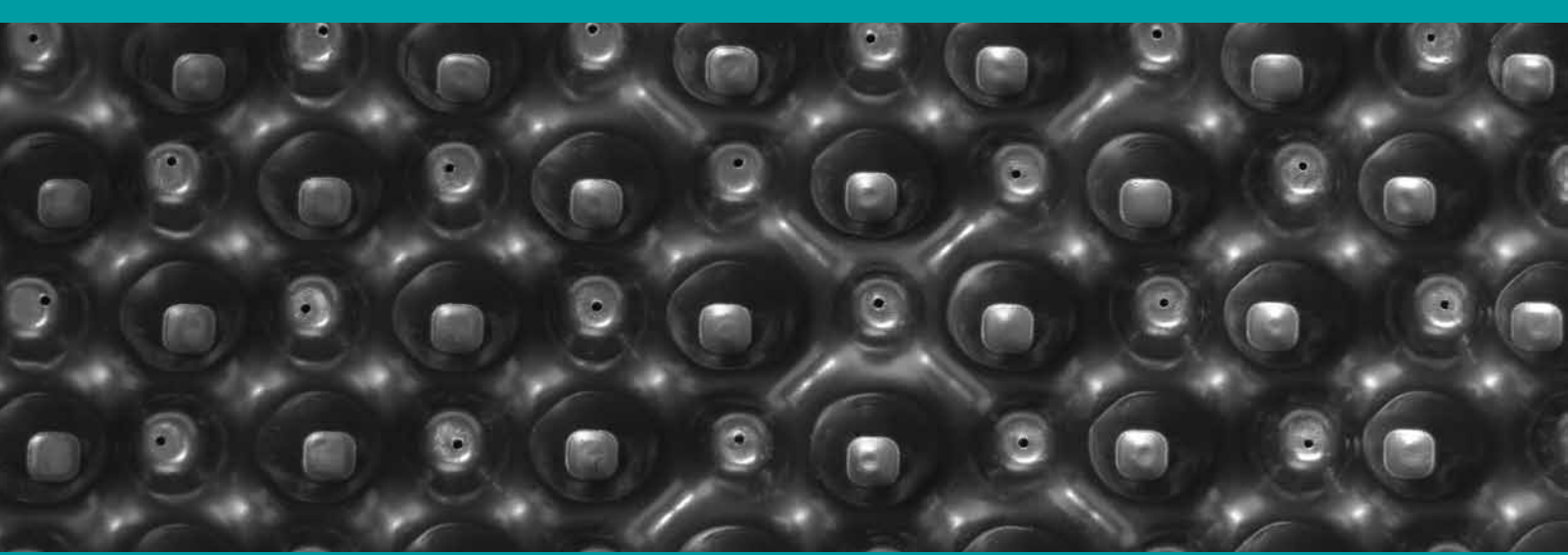
- Produced in the form of 1 x 2 m boards.
- Stored horizontally.



Technical Specifications

	GF 25 200	GF 25 270	GF 25 320	GF 25 370	GF 25 420
Compression Strength	200 kN/m ²	270 kN/m ²	320 kN/m ²	370 kN/m ²	420 kN/m ²
Water Filled Weight	5.1 kg/ m ²	5.1 kg/ m ²	5.5 kg/ m ²	5.5 kg/ m ²	6.18 kg/ m ²
Roll Length	2 m	2 m	2 m	2 m	2 m
Roll Width	1 m	1 m	1 m	1 m	1 m
Water Storage Capacity	5 l/m ²	5 l/m ²	5 l/m ²	5 l/m ²	5 l/m ²
Dimple Height	25 mm	25 mm	25 mm	25 mm	25 mm
Water Flow Ratio	i=0.01 0.95 lt/(m.s) i=0.02 1.35 lt/(m.s) i=0.03 2.10 lt/(m.s)	i=0.01 0.95 lt/(m.s) i=0.02 1.35 lt/(m.s) i=0.03 2.10 lt/(m.s)	i=0.01 0.95 lt/(m.s) i=0.02 1.35 lt/(m.s) i=0.03 2.10 lt/(m.s)	i=0.01 0.95 lt/(m.s) i=0.02 1.35 lt/(m.s) i=0.03 2.10 lt/(m.s)	i=0.01 0.95 lt/(m.s) i=0.02 1.35 lt/(m.s) i=0.03 2.10 lt/(m.s)





TekDrain

GF 40 Green Roof Drainage Boards

TekDrain GF Green Roof Drainage Board; is preferred in green roof applications since it is a durable product made of HDPE polyethylene. By means of its water retaining capacity in its reservoir, it helps the plants to grow without requiring any extra watering expense.

Fields of Application

- Terrace roofs of buildings.
- Parking lot roofs.

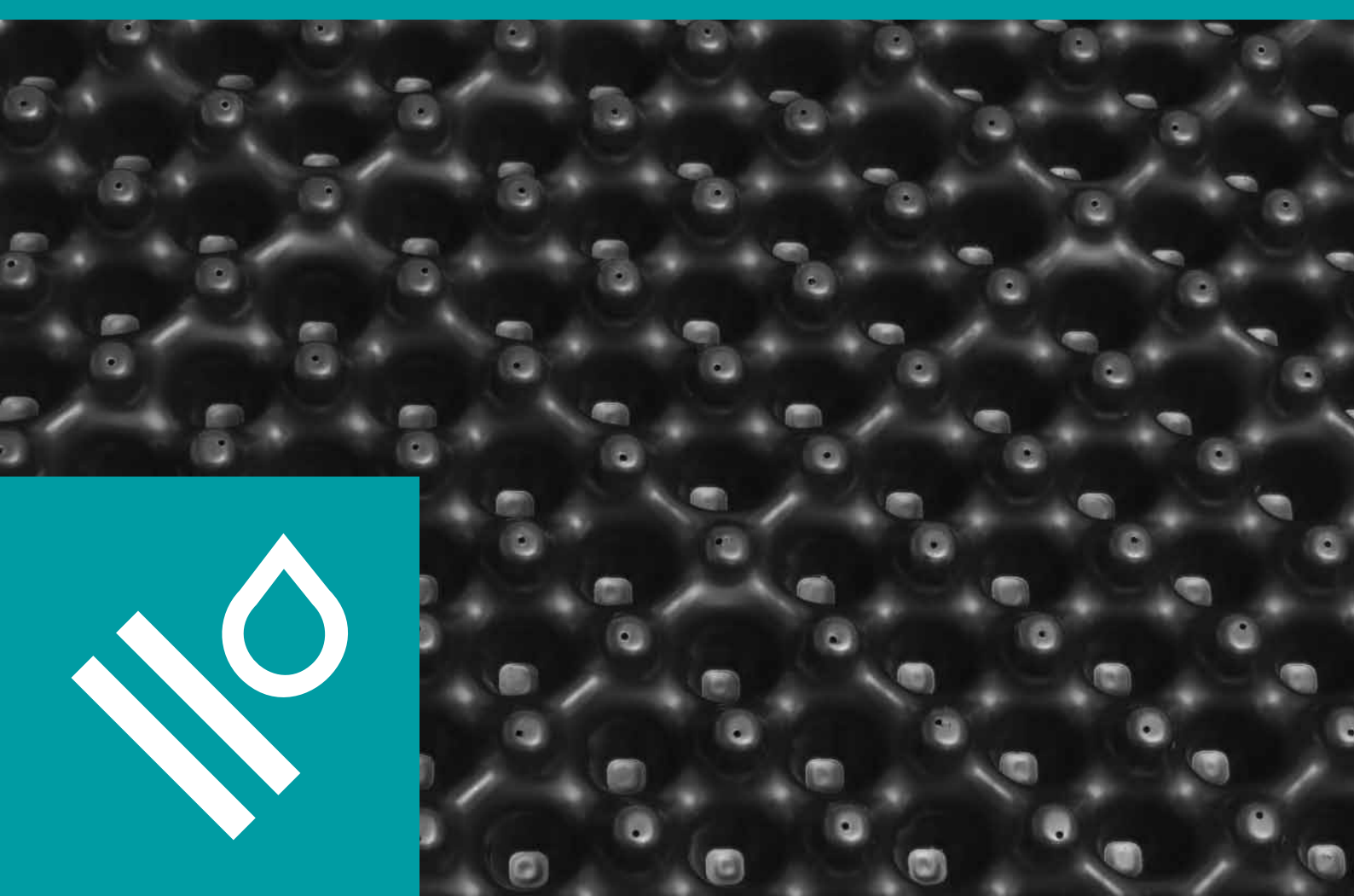
After İzoteknik 5000 or İzoteknik 6500 is laid over the root retaining cover, TekDrain GF 40 is laid over these two layers side by side without overlapping them.

Following this operation, GeoTeknik 1100 is laid over the TekDrain GF 40. The main purpose is to allow the plant roots to reach the main water reservoir by passing through the thin layers. Excess of rain water is directed to the parapet by flowing from the joints of the TekDrain GF 40 boards, and is discharged from there.

TekDrain GF 40 is preferred for green roof applications because it is a durable product made of HDPE polyethylene. Due to its water storage capacity in its reservoir, it helps the plants to grow without need for extra irrigation costs.

Advantages

- It has a major role in building insulation.
- It provides significant savings on heating and cooling system costs and carbon dioxide emissions of green building applications.
- Thanks to its plant layer, the roof facade system of the building is also protected against external factors.
- With multidimensional use of the plant layer, it contributes to urban water management.
- Green roof and facade systems that can hold a significant amount of rainwater also contribute to water treatment.
- Investment made to green building systems also provides savings on the operation and investment for sewage systems and water treatment systems.
- Green roof application is known to improve air quality as well.
- It reduces the effects of sun rays that affect the building.



Packaging and Storage

- Produced in the form of 1 x 2 m boards.
- Stored horizontally.

Technical Specifications

	GF 40 270	GF 40 300
Compression Strength	270 kN/m ²	300 kN/m ²
Weight - EN 1849-1	1.8 kg/ m ²	1.9 kg/ m ²
Fullness Ratio	18 l	18 l
Roll Length	2 m	2 m
Roll Width	1 m	1 m
Water Storage Capacity	9 l/m ²	9 l/m ²
Dimple Height	40 mm	40 mm
Water Flow Ratio	i=0.01 1.80 lt/(m.s) i=0.02 2.50 lt/(m.s) i=0.03 3.85 lt/(m.s)	i=0.01 1.80 lt/(m.s) i=0.02 2.50 lt/(m.s) i=0.03 3.85 lt/(m.s)

