



# TekDrain

GF 1700

## Green Roof Drainage Boards

**TekDrain Green Roof Drainage Board** is a Drainage board produced for roof applications, made of high density polyethylene (HDPE), with high compression strength. It is resistant to plant roots and decay, preventing dehydration of plants on non-rainy days, assisting holding water.



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## Green Roof Drainage Boards

### Areas of Use

- Building roofs
- 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 1 x 2 m plates.
- Stored horizontally.

### Technical Specifications

Weight	TS EN 1849-1	kg/m <sup>2</sup>	Minimum 1,7 kg
Blister Height		mm	25 (±2)
Diffusion Gap		mm	2,0 (±0,2)
Water Holding Capacity	TS EN ISO 12958	lt/m <sup>2</sup>	5,0 (±0,25)
Max. Compression Strength	TS EN ISO 25619-1	kN/m <sup>2</sup>	≥ 420
Water Flow Capacity	Bend 3%	lt/(s-m)	app. 0,91
Water Flow Rate	ASTM D4716		i=0.01 0,95 lt/(m.s) i=0.02 1,35 lt/(m.s) i=0,03 2,10 lt/(m.s)
Colour			Siyah
Roll Width		cm	100 (± %2)
Roll Length		cm	200 (± %2)
Mass Filler Rate (calcite or talk)		%	Max 20
Plate Row Material			HDPE
Fusion Flow Rate	ASTM D 1238,190°C, 2.16 kg	g/10 min	9,0 ± 1,5
Elongation (MD-CMD),	EN ISO 10139	kN/m	4,5± 0,5
CBR Drilling Strength,	EN ISO 12236	N	750 ± 100

Roll Packing

