



DRAIN CELLS PRODUCT BROCHURE



Drain Cells

Drainage Cells, also known as Drain Cells, are modular interlocking plastic structures designed to provide efficient sub-surface drainage and water management. They offer high compressive strength and create a lightweight, sustainable solution for landscaping and construction applications.

Prime Drain Cell



TECHNICAL DATA SHEET

The Prime Drain Board / Drain Cell system is engineered to provide reliable sub-surface drainage and protection of waterproofing membranes in decks, basements, podiums and landscaped areas. Comprised of high-density polymer studs or dimples combined with filtration media, the product channels water away efficiently while resisting mechanical loads. It is ideally suited for applications where soil, concrete or paving overburden demand a robust drainage-layer and membrane protection.

PT-DRAIN

Product Code	PT-DC13	PT-DC20	Product Code	PT-DC2520	PT-DC2530
Material	Hi-Impact Polypropylene	Hi-Impact Polypropylene	Material	Hi-Impact Polypropylene	Hi-Impact Polypropylene
Dimansion (mm)	500x250x13 610x410x13	500x250x20	Dimansion (mm)	500x250x20 500x500x20 610x410x20	500x250x30 500x500x30
Compressive	80 Tons	80 Tons	Compressive	Above 100 Tons	Above 140 Tons
Strength/ m ²	Tested	Tested	Strength/ m ²	Tested	Tested
weight/ m ²	1.2 kgs	1.5 kgs	weight/ m ²	2.0 kgs	2.8kgs

Notes:

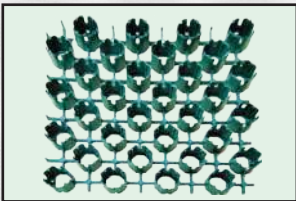
Reported values represent arithmetic mean results unless otherwise noted; all specimens are cut from the same sample and taken across the full width/length of the roll or panel.

The properties specified are subject to variation due to manufacturing tolerances, storage, handling or transport conditions.

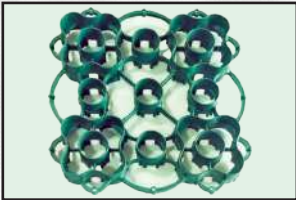
Values may vary when the product is tested in different laboratories or under variant environmental conditions.

For any technical queries, sales enquiries or custom-size/depth options please contact us at info@primeterratech.com

Prime Terratech Grass Pavers are eco-friendly, durable, and sustainable surface reinforcement systems designed to combine strength with natural beauty. Manufactured from UV-stabilized, 100% recycled polypropylene, these pavers are chemically inert, non-toxic, and allow efficient stormwater drainage back into the underground soil.



By promoting natural infiltration and reducing surface runoff, Prime Terratech Grass Pavers help maintain soil moisture and reduce the burden on local drainage systems. They provide an innovative solution for creating green, permeable, and load-bearing surfaces—ideal for urban and landscape infrastructure.



Their open-cell design eliminates the need for costly drainage systems, retention ponds, or impervious pavement, offering the strength of concrete with the aesthetics and environmental benefits of grass. These pavers effectively reduce heat buildup, prevent soil compaction, and allow for year-round accessibility at an economical cost.

PT-GRASS PAVER				
Product Code	Material	Dimensions (mm)	Compressive Strength /m ²	Weight /m ²
PTGP35	100% UV-Stabilized Recycled Polypropylene	500 × 500 × 35	≥ 180 tons	3.0kg
PTGP40	100% UV-Stabilized Recycled Polypropylene	500 × 500 × 40	≥ 200 tons	4.0kg

Key Benefits:

- Promotes natural groundwater recharge
- Reduces surface runoff and flooding
- Prevents soil compaction and heat reflection
- High load-bearing capacity for vehicles
- Low maintenance and cost-effective
- Environmentally sustainable alternative to traditional paving

Application Areas:

- Green driveways
- Fire engine and emergency access lanes
- Event and overflow parking
- Pedestrian walkways
- Golf course pathways
- Stormwater infiltration zones



Features :

- High compressive load capacity
- Excellent water flow and drainage efficiency
- Lightweight and easy to install
- Resistant to chemicals and biological growth
- Modular design for versatile applications

Advantages :

- Prevents waterlogging and root rot in landscapes
- Enhances waterproofing protection in structures
- Promotes efficient sub-surface drainage
- Reduces stormwater buildup and soil erosion
- Eco-friendly and reusable design

Applications :

- Green roofs and podium landscapes
- Planter boxes and terrace gardens
- Basement and retaining wall drainage
- Sports fields and golf courses
- Sub-surface water management systems



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