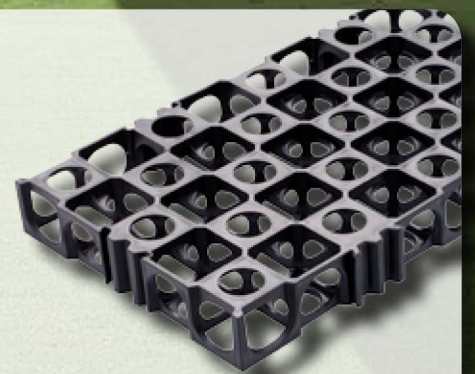


# Turf Cell<sup>®</sup>

Grass Reinforcement Structure



## Atlantis Turf Cell<sup>®</sup>

- Durable Grass Reinforcement
- Rigid Clipping
- Load Bearing over 4000 t/m<sup>2</sup>
- Horizontal & Vertical Root Growth

*Grass Reinforcement Paver*

**Atlantis<sup>®</sup>**  
GREEN CITIES FOR LIFE

## Reinforced Grass Carparks, Driveways & Access Roads...

Atlantis Turf Cell® is an ideal product to reinforce grass in trafficable areas. Designed to house and protect grass, Turf Cell® enables rigorous horizontal and vertical root growth. The strong design ensures long time durability and with an installed load capacity of 4000t/m<sup>2</sup> meets the majority of traffic requirements.

The Turf Cell® is also a great solution for increasing permeable surfaces around buildings, adding green space and lowering the Heat Island effect.

The Turf Cell® structure promotes root growth by maintaining regular surface temperature unlike concrete pavers that absorb and retain heat which scorch the grass roots.

Adding Flo-Cell® and Flo-Log® ensures a regular free draining surface that can be utilised during the heaviest rainfall events. Aesthetically the product allows the grass to fill in completely, creating a lush lawn with an invisible reinforcement structure.



### Horizontal & Vertical Root Growth

Turf Cell® grass reinforcement structure facilitates rigorous vertical and horizontal root growth for a durable and healthy turf surface.

### Turf Cell® at a glance.



#### Permeable Surface

Permits surface water absorption and filtration.



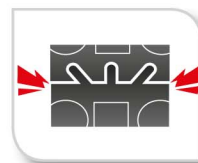
#### Surface Temperature

Increased vegetation reduces ambient temperature around buildings.



#### High Water Quality

Turf Cell® installations function as water filters. Turf Cell® is ideal for releasing clean water into the environment.



#### Rigid Clipping System

Unique easy to use interlocking system.



#### High Load Bearing

The installed Turf Cell® can hold weight over 4000 t/m<sup>2</sup>



#### Cost Efficient

Turf Cell® installations are significantly more cost efficient than concrete or bitumen alternatives.

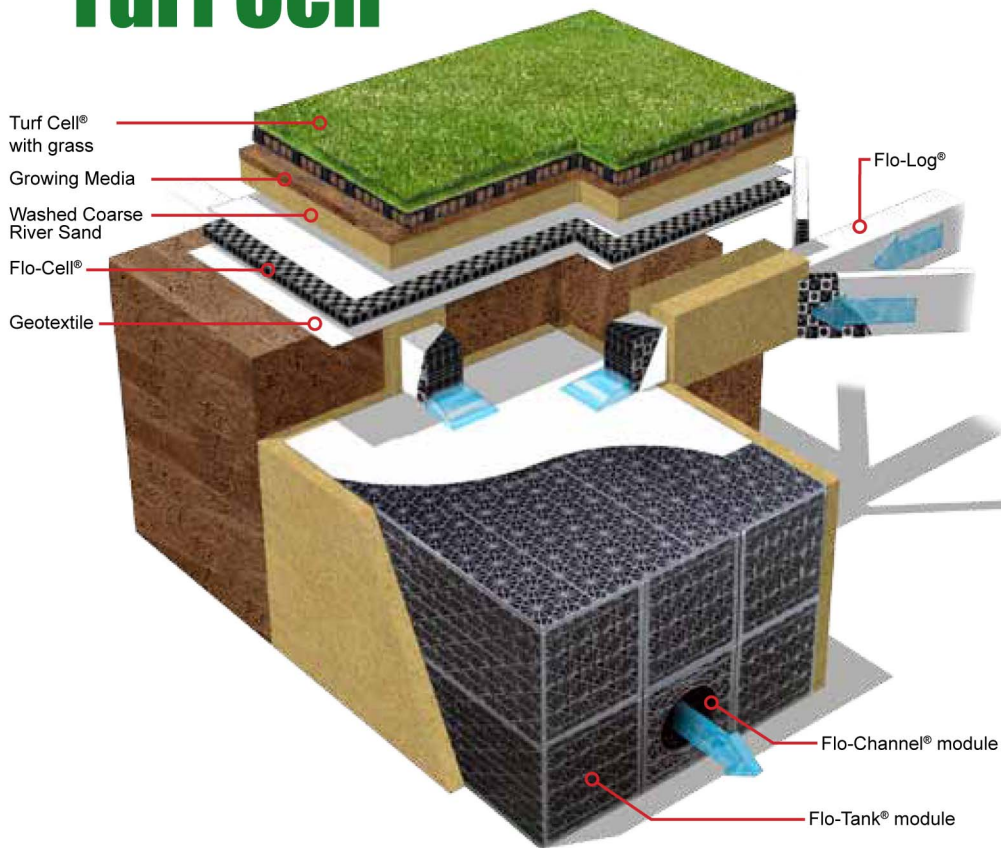


#### Made From Recycled Materials

Gravel Cell® is made from high grade recycled materials.

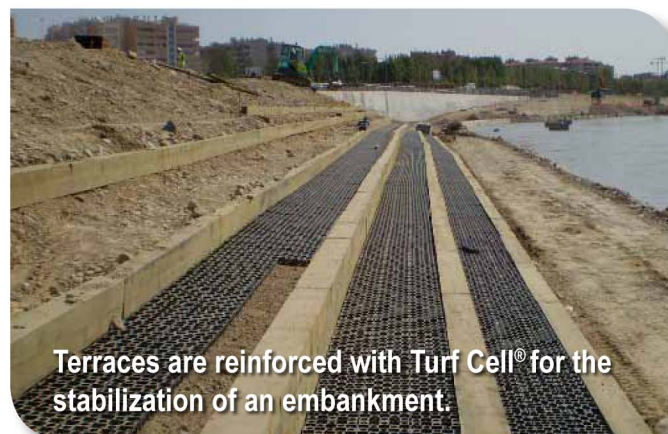


## Turf Cell®



High Load Bearing

### Slope Stabilization



### Access Roads



### Parking Bays



## Doctor's Office Parking Lot



Patients arriving at this Doctor's Professional Building car park in the grass lot whenever the paved lot is full. Even during wet weather when grass fields can become sloppy and muddy, Turf Cell® grass pavers keep this lot stable, making it pedestrian and vehicle friendly. It was construction friendly, too, as the entire 2323 m<sup>2</sup> lot was constructed over a single weekend. The lateral openings of the Turf Cell® grass paver will work extremely well with the rhizomatous St. Augustine Grass to keep the lot looking great.



## Turf Cell Specifications

Material	100% Post Consumer Recycled Polypropylene
Chemical Resistance	Excellent
Unit Dimensions	52mm x 260mm x 480mm
Panel Dimensions	(8 assembled units) - 1.04m x 0.96m
Unit Depth	52mm
Cells per Unit	45
Nominal Weight	4.58 kg/m <sup>2</sup>
Compressive Strength - Confined	greater than 400 t/m <sup>2</sup>
Compressive Strength - Unconfined	148.58 t/m <sup>2</sup>
Service Temperature - Unfilled	-30° to 120° C



Gravel Cell® reinforcement structure used for access roads. Turf Cell® reinforcement structure used for parking bays.

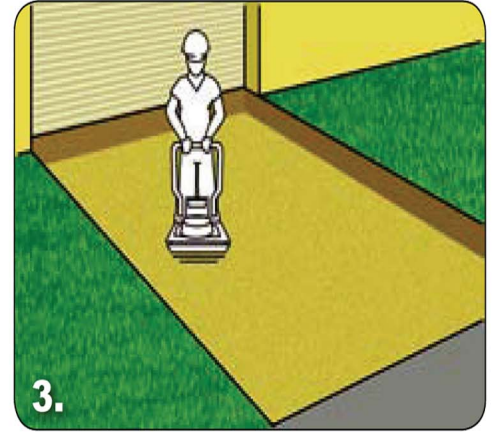
## Installation Guide



Excavate the area out at approx. 230mm of depth. Base of excavation should be flat and relatively level.



Lay a layer of washed coarse river sand.



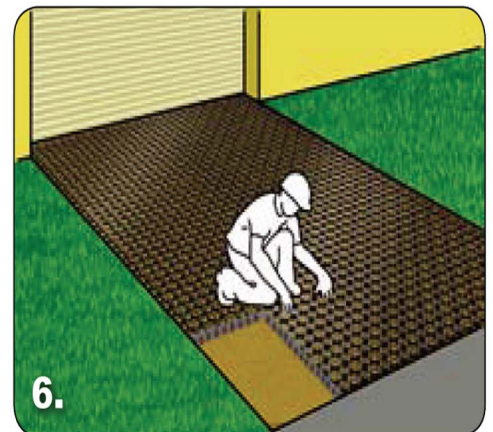
Compact the sand to 80mm thickness



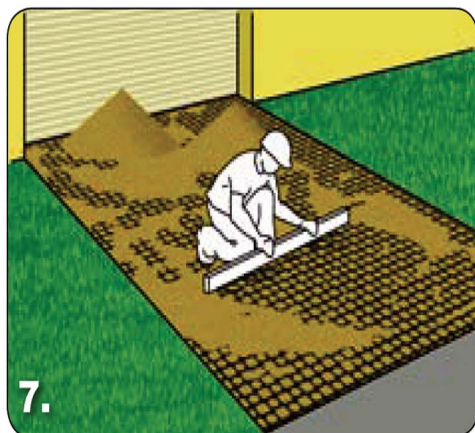
Lay down mixture of sand & topsoil (growing Media) to 100mm.



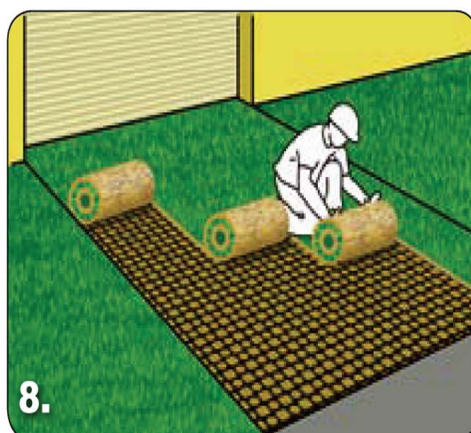
Screen the growing media flat



Lay down 52mm Turf Cell<sup>®</sup>



Fill Turf Cell<sup>®</sup> grass pavers with a mixture of sand & topsoil (growing Media) or compost



Roll desired turf over Turf Cell



Water and fertilise to suit weather conditions

## Gravel Cell® Gravel Reinforcement Structure

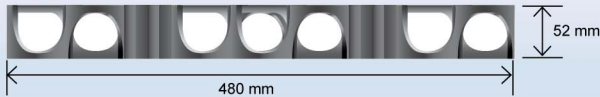
Part Number: 80052



H: 52mm (2.05") • W: 260mm (10.24") • L: 480mm (18.9")

Color: Black

-- Supplied in 1m<sup>2</sup> panels



## Flo-Cell® 20mm Drainage Cell

Part Number: 80020

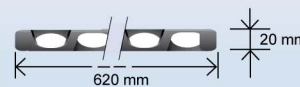


Height: 20mm (0.78")

Width: 405mm (15.94")

Length: 620mm (24.4")

Color: Black



-- Supplied in 1.5m<sup>2</sup> panels

## Flo-Cell® 30mm Drainage Cell

Part Number: 80030

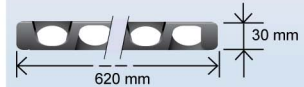


Height: 30mm (1.18")

Width: 405mm (15.94")

Length: 620mm (24.4")

Color: Black



-- Supplied in 1.5m<sup>2</sup> panels

## Flo-Log™ Premium Drainage Logs

Code	Product Name	Size
10519	52mm Flo-Log™ (1.9m)	(H)52 x (W)260 x (L)1920
10520	104mm Flo-Log™ (1.9m)	(H)104 x (W)260 x (L)1920
10521	156mm Flo-Log™ (1.9m)	(H)156 x (W)260 x (L)1920
10522	208mm Flo-Log™ (1.9m)	(H)208 x (W)260 x (L)1920
10523	260mm Flo-Log™ (1.9m)	(H)260 x (W)260 x (L)1920
20418	20mm Flo-Cell®	(H)20 x (W)400 x (L)1800
10418	30mm Flo-Cell®	(H)30 x (W)400 x (L)1800

*Our products can be connected together to form any length required.*

## Flo-Pipe® Permeable Pipe

Part Number: 30014



H: 80mm (3.14") • W: 100mm (3.97") • L: 1080mm (42.52")

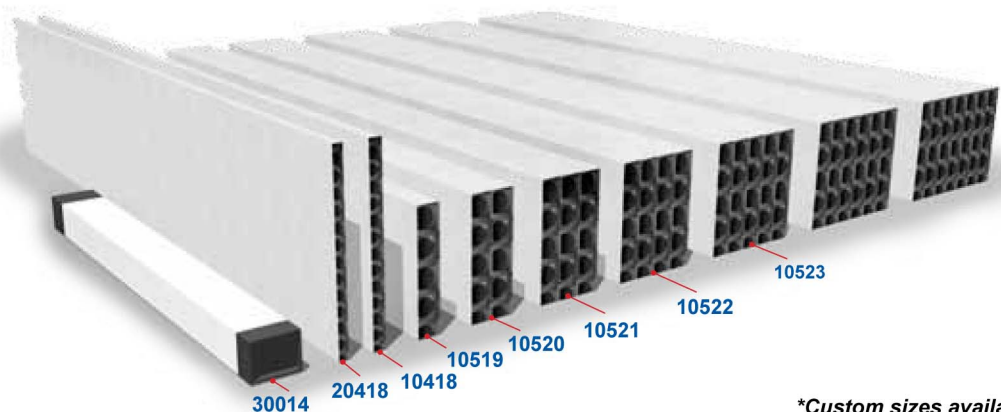
Color: Black wrapped in geotextile

-- Supplied in wrapped in geotextile

## Standard Size Drainage Logs.

The logs are pre wrapped in quality geo-textile and are available in various sizes. The logs are two metres in length and can be connected together to form any length.

*For product specifications please contact Atlantis.*



\*Custom sizes available

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