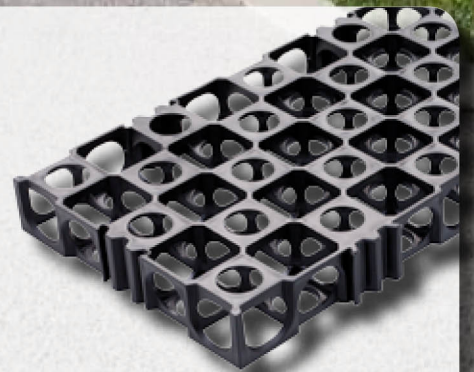
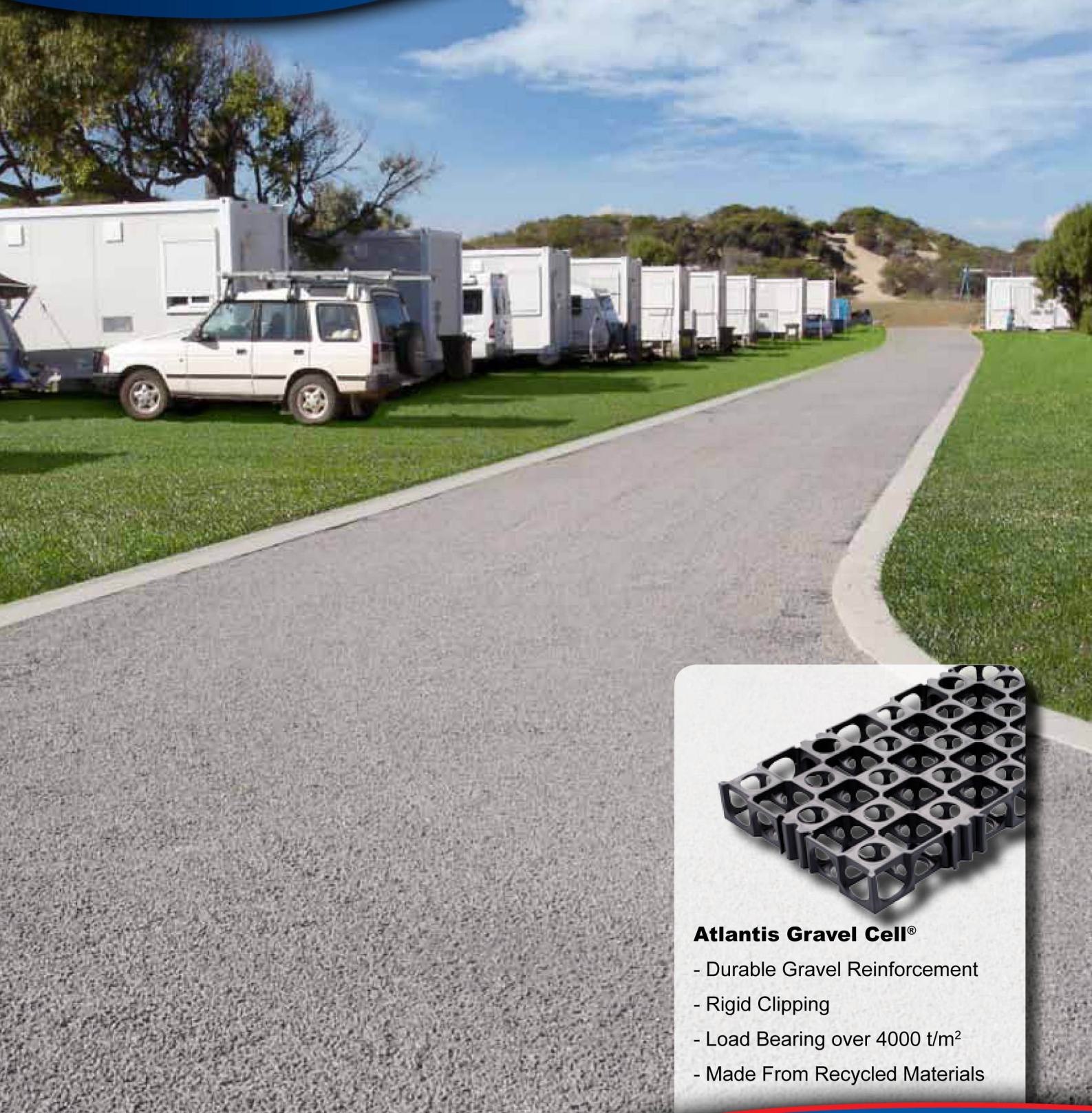


# Gravel Cell<sup>®</sup>

Gravel Reinforcement Structure



## Atlantis Gravel Cell<sup>®</sup>

- Durable Gravel Reinforcement
- Rigid Clipping
- Load Bearing over 4000 t/m<sup>2</sup>
- Made From Recycled Materials

*Gravel Reinforcement*

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



## Gravel Stabilisation

Gravel Cell® reinforcement structure creates an attractive, durable hard surface suitable for trafficable access roads and parking lots.

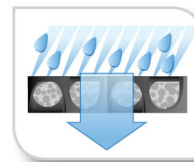
### Applications

Gravel Cell® is ideal for creating parking lots, access roads and driveways.

Gravel Cell® can also be used for the construction of reinforced swales to collect and absorb rainwater into underground channels for rainwater re-use or the recharge of water tables.



### Gravel Cell® at a glance.



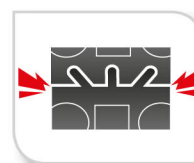
#### Permeable Surface

Permits surface water absorption and filtration.



#### High Water Quality

Gravel Cell® installations function as water filters. Gravel 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

Gravel 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.

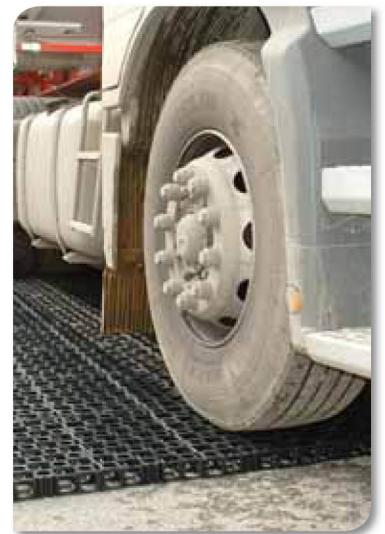
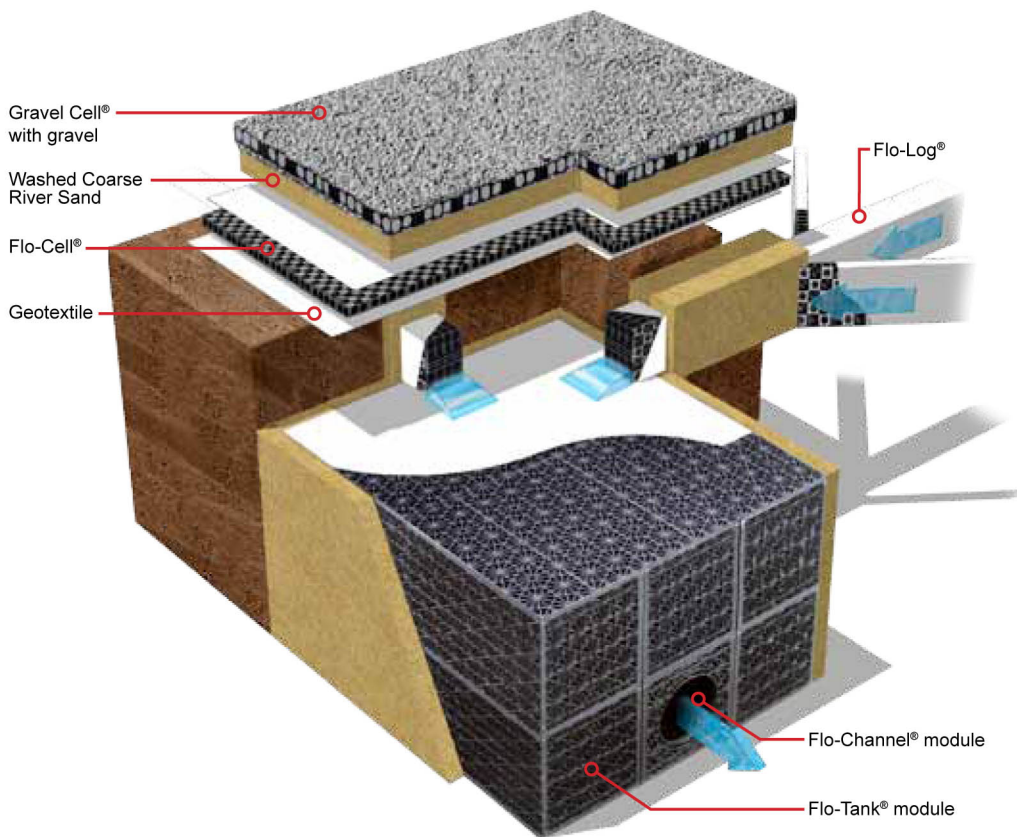
### Cost Benefits

The installation and maintenance of Gravel Cell® provides enormous cost savings when compared to bitumen or concrete systems. The sub-base required for Gravel Cell® is equal to or less than the sub-base required for concrete or bitumen.

The reduction of the traditional stormwater drains required by impermeable parking lots provides an immediate cost saving when installing Gravel Cell® pavers for the same application.



## Gravel Cell®



**High Load Bearing**

## Gravel Cell® Installation at Sea Spray Caravan Park.

The Sea Spray Caravan Park installed Atlantis® Gravel Cell® on the access roads of the site as permeable pavement that allows water to go through the road surface and into the ground. Atlantis® Gravel Cell® possesses extreme load bearing capacity and stable surface, offering safe, unimpeded traffic for pedestrians and vehicles in all weather.

The Atlantis® Gravel Cell® paver is an open lattice structure designed to transfer loads across the interlocking units to reduce dynamic load impact from vehicular traffic. The modular cells were filled with blue metal to provide the desired finish. They contain almost 50% voids, allowing rain and storm water to effortlessly soak into the surrounding soil.

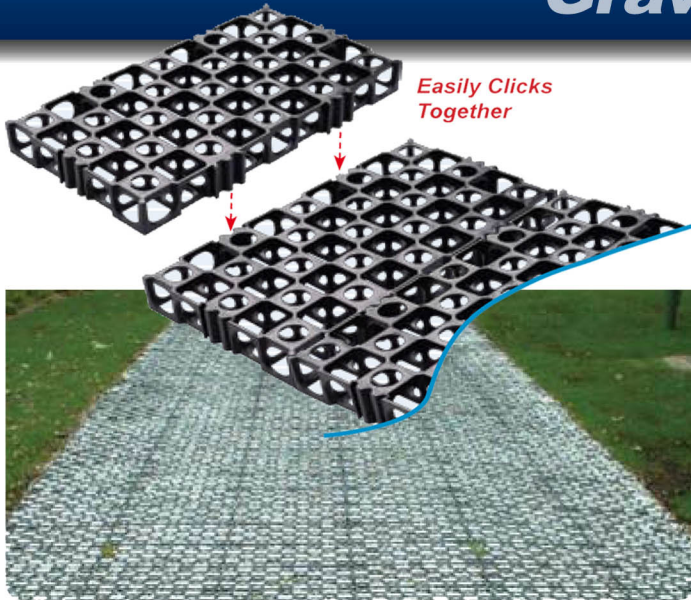
The installation at Sea Spray Caravan Park of 2,000m<sup>2</sup> took less than one week to install and was carried out in time for a busy Easter long weekend.



**Access Roads**

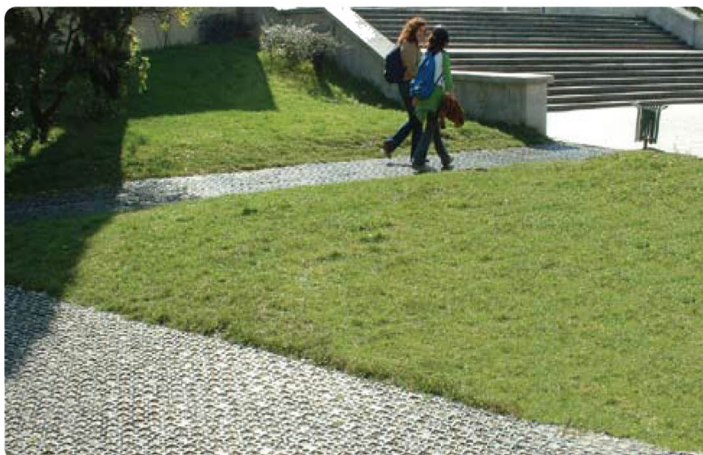
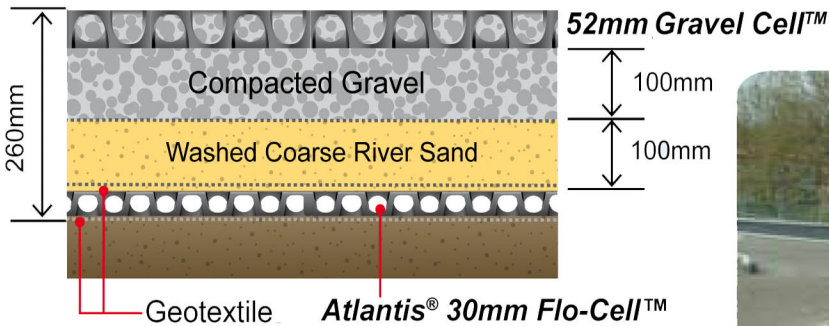


# Gravel Cell® Gravel Reinforcement Structure



Access Roads

Parking Bays



## Gravel 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



## Installation Guide



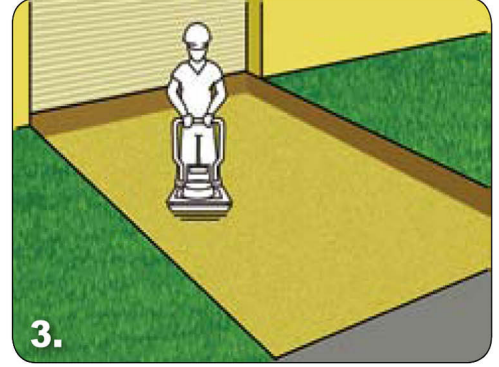
1.

Excavate the area out at approx. 250mm of depth. Base of excavation should be flat and relatively level.



2.

Lay a 100mm layer of washed coarse river sand.



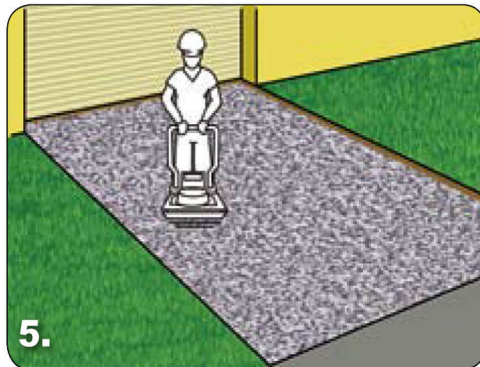
3.

Compact the sand to 100mm thickness



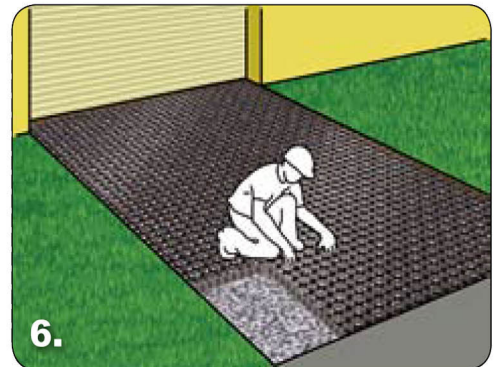
4.

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



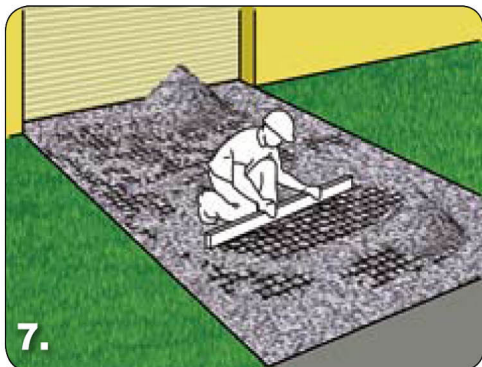
5.

Compact the gravel to 100mm



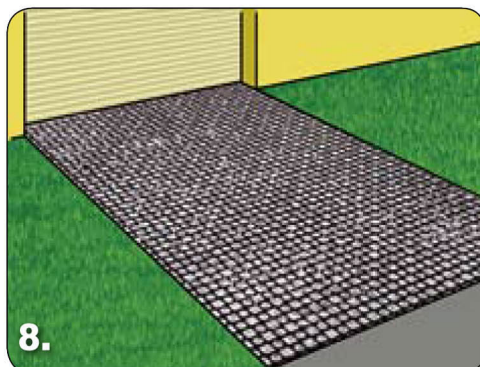
6.

Lay down 52mm Gravel Cell®



7.


Fill Gravel Cell® reinforcement pavers with gravel size 00mm



8.

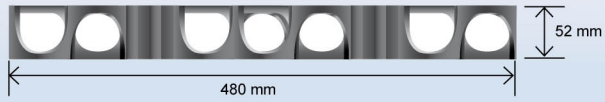
Final driveway

**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**



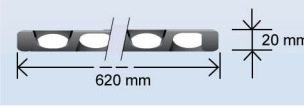
**Height:** 20mm (0.78")  
**Width:** 405mm (15.94")  
**Length:** 620mm (24.4")  
**Color:** Black

**Flo-Cell® 30mm**  
 Drainage Cell

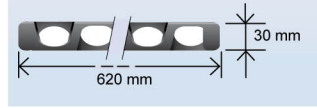
**Part Number: 80030**



**Height:** 30mm (1.18")  
**Width:** 405mm (15.94")  
**Length:** 620mm (24.4")  
**Color:** Black



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



-- 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**



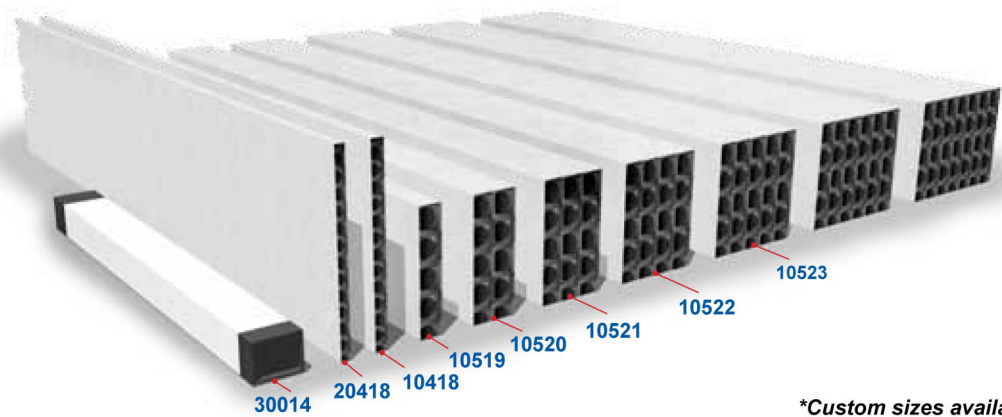
**H:** 80mm (3.14") • **W:** 100mm (3.97") • **L:** 1080mm (42.52")  
**Color:** Black wrapped in geotextile

-- 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