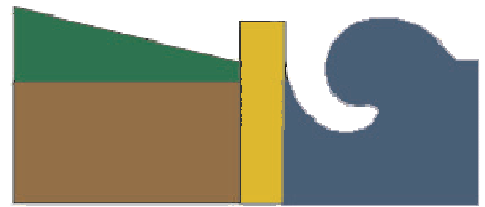


# Geo-Coastal Engineering



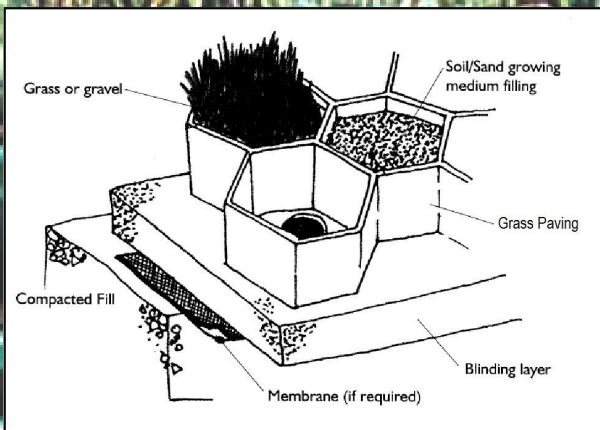
## Grass Paving



Newly Installed Paving



Paving after Grass Growth



### Uses

- Fire access ways
- Car parking
- Footpaths
- Golf & amenity
- Agricultural entrances
- Erosion control
- Gate and style entrances
- Helipad

### Description

Our Grass Paving system is a 500x500mm paver with a 40mm infill depth and 35mm spike zone giving an overall depth of 75mm.

It is manufactured from high quality HDPE and has been approved for use in many high profile applications such as on motorway medians shoulders for the NRA and overflow carparks for the OPW.

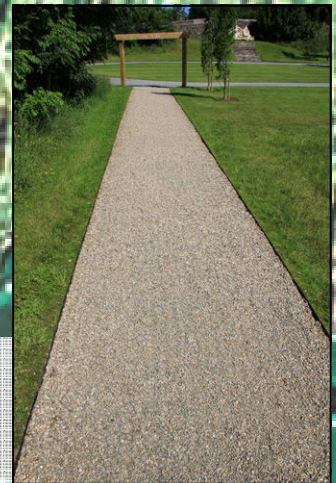
Recent applications are on the M50 Motorway, M7 Motorway, Malahide Castle, GrangeGorman Hospital, Oakfield House, Howth Golf Club etc.

High quality recycled HDPE makes it both environmentally friendly and very durable.

The fact that it has a base and integrated spikes makes it very stable when trafficked. The hook and loop connection provides tolerance and makes it easy and fast to install with a lot less cutting required compared to cheaper system which just slot together.

Grass paved areas are fully permeable and will contribute towards flood prevention by allowing rain water to percolate naturally into the ground.


Pavers can also be filled with gravel for paths and tracks to prevent the gravel migrating when trafficked.



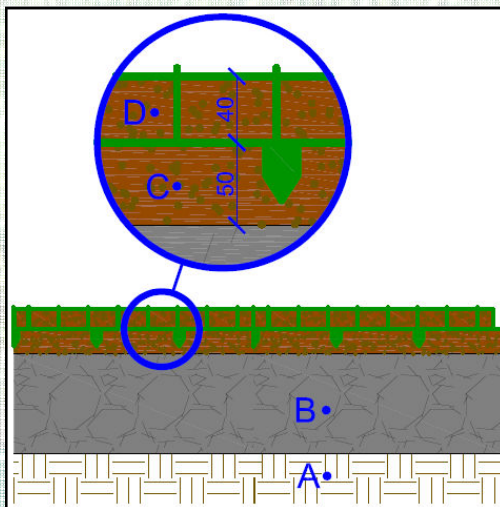
### Benefits

- Blends harmoniously into the environment.
- Up to 90% of the surface is grassed.
- Green finish — not visible through grass.
- Can be filled with gravel to provide alternative finish.
- Reinforces soil to increase load capacity.
- No additional surface water drainage required.
- SUDS compliant

## Paver Technical Data

<b>Material:</b>	Recycled UV-stabilised High Density Polyethylene (HDPE).	
<b>Dimensions:</b>	Gross = 500mm x 500mm ± 4% and Net = 483mm x 483mm ± 4%.	
<b>Honeycomb Height:</b>	40mm ± 4%.	
<b>Pin Height:</b>	35mm ± 4%.	
<b>Total Height:</b>	75mm ± 4%.	
<b>Weight:</b>	Approx. 1.3kg per paver.	
<b>Colour:</b>	Green.	
<b>Ground Sealing:</b>	Prevented due to the open design of the paver.	
<b>Surface Structure:</b>	Honeycomb structure with anti-sliding studs	
<b>Bearing Capacity</b>	1,500kN/m <sup>2</sup> .	
<b>Filling:</b>	Soil - Sand Mix (30:70) or Gravel (<20mm).	

## Typical Installation



- A) **Subsoil Layer**  
The subsoil needs to be evaluated to determine its load bearing capacity.
- B) **Sub-base Layer**  
The thickness of the sub-base depends on both the bearing capacity of the subsoil and the required bearing capacity of the paved surface.
- C) **Bedding Layer**  
The bedding layer is a 50mm layer of consolidated sand - soil mix.
- D) **Paver Cells**  
The paver cells are fill to just below the surface with the same - sand soil mix as is used in the bedding layer. The pavers are then seeded and fertilised.