



grassconcrete



grassroad

grassroad
plastic grassed paving system

a natural choice

Grass Concrete Limited is a world leader in the development and supply of 'green' construction solutions. Expert environmental engineers for over 40 years, we were committed to our environment and the creation of greenspace long before the rest.

Our history

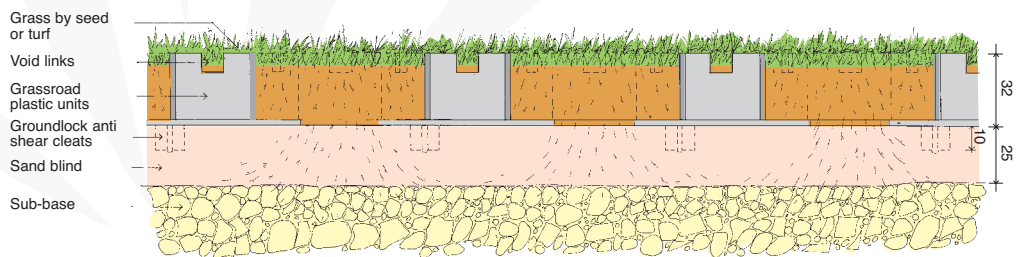
Grass Concrete Limited is a UK based company founded upon the principles of establishing environmental awareness in construction. Since our establishment in 1970 many of our aspirations that were then 'alternative' have now become part of mainstream policy adopted by governments and planners around the world.

Barely an issue in those days the company set out to change traditional thinking towards paving technology. The company's creations have grown with that of its original product, the unique Grasscrete paving system. Alongside this original invention further paving systems were introduced as well as a range of earth retaining walls and green roofing solutions. Grassroad is just one of these innovative products.

Why Grassroad?

Originally pioneered in the USA Grassroad gains paving stability by interaction with grass cones to create a load resistant tensile layer*

**The performance and finished appearance of plastic pavers can be adversely influenced by any continuous daily traffic. We therefore recommend that this use is limited to infrequent vehicle movement. Particular cars should be taken in the definition of ones specific parking to avoid over-use. For daily use application please see our concrete range.*

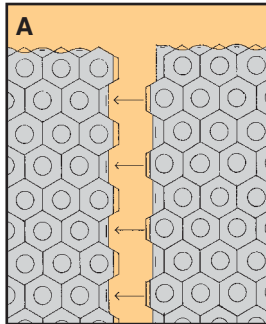


suitable for: **overspill car parks** • **fire/emergency access**
 • **verge hardening** • **amenity areas**

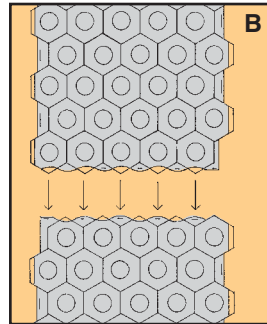
The specification of Grassroad pavers enables a reinforced solution with almost total grass cover whilst at the same time maintaining natural drainage rates and the performance of a hard paving layer.

The inherent strength of Grassroad pavers hexagonal honeycomb grid enables a reduced paving depth when compared with rectangular grid systems. This provides for optimum root penetration and anchorage to the sub-grade.

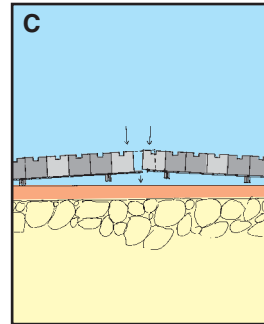
Side interlock



End interlock



Lift to fit (see laying guide).



 **Specification**

Applications	Material	Size	Colour	Load bearing
Overspill parking, amenity paving, fire access (low use), verge hardening.	Polypropylene or HDPE using recycled materials.	635 x 330 x 42mm overall* Number per m ² , laid module = 5.17 Void area: surface – 95%, base – 74% 622 x 311 x 32mm laid module Weight approx. 0.90kg each (4.70kg/m ²) Void plan profile – hexagonal * Includes the underlying anti-shear cleat	Carbon black as standard, green to special order and subject to material availability	Compression test (Satec Universal test) – 244 tonnes per m ² (yield) 340 tonnes per m ² (crush). NB: Compression tests for plastic units should not be used as an indication of “on site” capability (see separate Fire Authority load tests).

Sub-base – excavate to reduce levels, lay a 150mm deep* free draining granular sub-base rolled and compacted then blinded with 25mm sharp sand.

* Assumes ground bearing of not less than 50kN/m² For pedestrian or low use light vehicle applications a slimmer sub-base may be used.

Grassroad Pavers – lay single row of pavers with ends interlocked together. Lay next row with slight gap between before sliding the whole row into the side interlocks of the previous row. To form the joint, lift each meeting edge slightly to accept the interlock (see Design and Laying Guide).

Soiling and Grassing –

Method 1:

Infill voids with fine friable topsoil. After settlement top up with soil and sow grass seed. For seed type and sowing rate see our Design and Laying Guide.

Method 2:

Infill voids with fine friable topsoil to within 12mm of the surface. Place good quality turf with staggered joints on top of the pavers and lightly roll into position.

We recommend that seeded and turfed areas are not trafficked until grass has established.

Data available: Design and Laying Guide

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Please note that information is given in good faith, without warranty and subject to alteration without prior notice.

A full range of brochures and technical guides are available upon request



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