

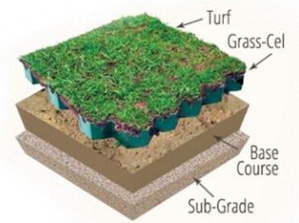
GRASSCEL®

THE ORIGINAL POROUS TURF PAVING BLOCK



PRODUCT SPECIFICATION - GRASS-CEL® Porous Turf Paving Block

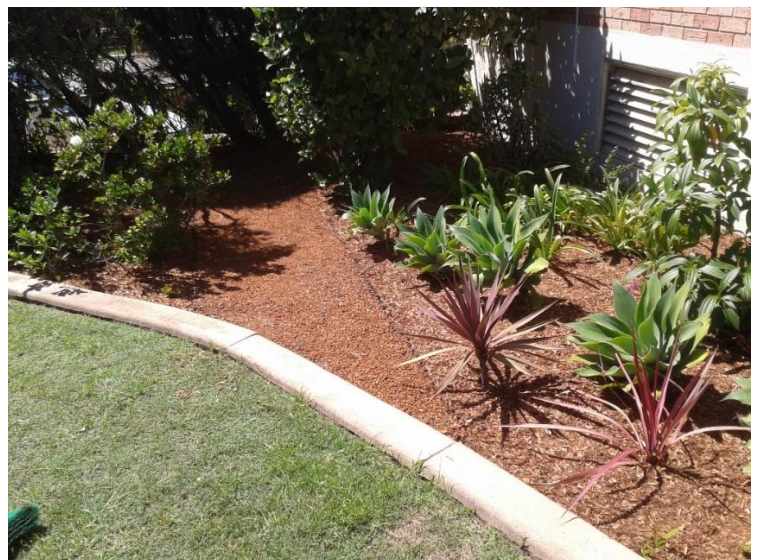
Grass-Cel Porous Paving Blocks are scientifically engineered and designed to support the weight of heavy vehicles and pedestrian traffic. Each block has precisely arranged hexagonal cells that allow the nesting of adjoining blocks, which can form a mat of any desirable size. When the hexagonal cells are filled with soil or any other growth medium the soil is protected from compaction since all traffic is supported by the walls of the cells. Turf can be grown with minimal destruction of grass blades and soil structure.



Each Hexagonal cell has a round opening at the base, which serves as a drain. It also allows, air water and nutrients to move from the surface to the sub-soil. Equally as important, grass roots growing down through the hole into the sub-soil bind and hold the Grass-Cel paving blocks permanently in place. Each cell wall has vertical openings that allow the free movement of plant growth from cell to cell. The cross movement of stolons, roots and rhizomes binds the GrassCel paving blocks to each other and helps to further stabilise the paving surface.

Grass-Cel can be used as a porous pebble or gravel retention system, the individual hexagonal cells allow for retention while the openings at the base allow for drainage. Grass-Cel is specifically designed as a system comprised of small blocks that are joined together to make a mat. This allows for more design options and a stronger and more rigid system. Each Grass-Cel paving block has extending tabs and receiving slots to interlock each piece with the other, minimising movement of the paving system.

Grass-Cel is resistant to rot and decay, vermin and insects, petroleum, oil and ordinary solvents, weather and temperature extremes, warpage, chipping and water. Grass-Cel can be sawn, nailed, filed, drilled or shaped with ordinary tools.



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Key Details - Dimensions and Capacity

Product Name:	Grass-Cel® Porous Turf Paving Block
Material:	100% recycled UV stabilised green high density polyethylene (HDPE)
Block Dimensions (Width x Length x Height):	305mm x 295mm x 37mm
Shipping Dimensions (pack of 10) (W x L x H)	325mm x 323mm x 300mm
Area (pack of 10 blocks):	0.9 sqm
Each Block Has:	<ul style="list-style-type: none"> - eight (8) extending locking tabs. - sixteen (16) locking tab receiving slots. - thirty (30) hexagon cells, 32mm deep. - thirty (30) 31mm openings at the base of each cell. - one hundred and eleven (111) 9mm x 9mm openings at the top of the cell
Block Weight:	480 grams
Minimum Compressive Strength (empty):	250kN per block (2.8MPa).
Full test reports (including test methods) are available on request.	<p>Notes:</p> <p>Test were done on empty cells. The maximum load of filled cells would vastly exceed this figure. Average loads of 500KN were required to fully collapse the structure of one block. Test results do not consider double wall at each point where the blocks attach together and therefore would likely result in a maximum load capacity far exceeding this figure. There are 18 double wall thicknesses throughout every square meter of Grass-Cel.</p>
Certifications	
	<p>Grass-Cel® is Certified by GECA (Good Environmental Choice Australia) who manages a Type 1 Ecolabe program in accordance to ISO 14024 "Environmental Labels and Declarations". Grass-Cel® has been independently verified by that it meets the environmental, health and social/ethical criteria of the follow GECA Standards:</p> <ul style="list-style-type: none"> - GECA Environmental Standard – Recycled Products (RPv1.0-2015)

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