Grass-Cel® Turf Paving Blocks are Australian made and scientifically designed to support the weight of heavy vehicles and pedestrian traffic.

Each block is made up of precisely arranged hexagonal cells. This allows the blocks to be connected together, using tabs and slots, to form a mat of just about any size. The walls of the cells support traffic, preventing soil compaction and minimising grass wear.

Each hexagonal cell has at its flat base a round opening which serves as a drain. It allows air, water and nutrients to move from the surface to the sub-soil. Grass roots growing down through the hole into the sub-soil bind and hold the Grass-Cel® Turf Paving Blocks permanently in place. No pegging is required.

The hole at the base of each hexagonal cell also serves to hold Grass-Cel® from shifting on unstable areas. The vertical openings in each cell allow the free movement of plant growth from cell to cell. The cross movement of stolons, roots and rhizomes (runners) bind the Grass-Cel® Turf Paving Blocks to each other and helps to further stabilise the paving surface.

Grass-Cel® is very durable. It 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, filed, drilled or shaped with normal hand tools. Grass-Cel® is designed as a weight bearing block and not as a traction block.
Techniques For Locking Grass-Cel® Tabs

Connect locking tabs for one row. Hold the two edges together and lower them slightly so that the tabs move under the holes. Then lift them again so that they clip together.

Lay out the next row beside the first. Lock the second row to the first by lifting the edge of both rows and engaging tabs. It is recommended that where possible the flat side of the block be used to lock the tabs rather than the angled side.

Do not try to bend Grass-Cel® around curves. Lay in straight rows and fill in the corners with cut pieces. Grass-Cel® can be cut and shaped to any configuration with an electric or hand saw.

Recommendations for Base Preparation

Grass-Cel® Turf Paving Blocks have a flat base which provides a stable bearing surface. Under normal conditions, the blocks can be placed directly onto the prepared base course. Soils which remain wet may require drainage to stabilise the area. Heavy clay or excess organic matter can create an unstable base for Grass-Cel®. Installation under these conditions should be referred to the advice of a consulting engineer.

Sub-Grade / Base Course

Using flat shovels or a mechanical turf cutter, remove existing soil or grass to a depth of approximately 50mm. Clear, level and compact.

In all cases, Grass-Cel® should be considered as a pavement and the same design criteria must apply, such as the load bearing capacity and plasticity of any soil used in the installation and the load, frequency and duration of traffic over the area.

Drainage systems, such as Agline and extra items such as irrigation systems maybe installed at this stage if required.

For most residential applications, we suggest a base course of approximately 100mm be installed. It should comprise of a mixture consisting of 50% site soil or sandy loam and some fine crushed rock if available to provide drainage and adequate growing media. If the area is to be used for cars and light vehicles, a depth of approximately 150mm is suggested. For areas where heavy vehicles such as trucks are expected a depth of approximately 300mm is suggested. A Consulting Engineer should be engaged for further information/advice.

General

The finished surface of the base course should be 40mm below finished surrounds so as the top of the Grass-Cel® Turf Paving Blocks finish level with adjoining surfaces. This will allow vehicles to transfer smoothly from the conventional driveway onto the Grass-Cel® area.

The information presented herein is provided for reference purposes only. It is intended for use as a guide and will not apply to every circumstance. Suitability of products will vary as a result of site conditions and specific requirements. Final determination of the suitability of any information or material for the use contemplated, or its manner of use and whether the use is applicable, is the sole responsibility of the user. The brochure is subject to change arising from new developments and findings. All dimensions are nominal.
PLANTING METHODS

Using Pre-Grown Turf
The cells should be partially filled with soil blend to the bottom of the slot in the cell walls. **DO NOT OVERFILL.** Remove excess soil with a stiff broom.

Turf is recommended to be 25mm root thickness. It is essential that the grass roots make contact with the soil blend.
1. Prepare base as above.
2. Lay and interlock Grass-Cel®.
3. Partially fill with soil blend to the bottom of the slot in the cell walls.
4. Place turf over Grass-Cel® with each piece touching. The grass roots must make contact with the soil.
5. Tamp or roll grass into Grass-Cel®. **DO NOT USE VIBRATORY MACHINERY FOR THIS OPERATION** - as this tends to shake soil from grass roots.
6. Water the area.

**DO NOT TOPDRESS. USE A RECOMMENDED TURF BY YOUR LOCAL SUPPLIER**

Grass Seeding The Area
Soil levels in each cell should always be below the top of the supporting walls. **The cells should never be overfilled**, only to the bottom of the slot in cell walls.
1. Prepare base as above.
2. Lay and interlock Grass-Cel®.
3. Fill cell with soil blend to the bottom of the slot in cell walls.
4. Broadcast seed and **very lightly** top dress with soil blend or sand.
5. **KEEP MOIST & AVOID USING AREA UNTIL GRASS IS ESTABLISHED.**

**AT ALL TIMES GRASS-CEL® AREAS SHOULD BE MAINTAINED AS NORMAL TURF GRASS**

*The information presented herein is provided for reference purposes only. It is intended for use as a guide and will not apply to every circumstance. Suitability of products will vary as a result of site conditions and specific requirements. Final determination of the suitability of any information or material for the use contemplated, or its manner of use and whether the use is applicable, is the sole responsibility of the user. The brochure is subject to change arising from new developments and findings. All dimensions are nominal.*
Step 1
Remove existing turf and soil to a depth of approx. 50mm. The base course should consist of 50% site soil or sandy loam and some fine crushed rock if available. Fill any depressions, compress and/or roll to provide a firm base. Use a recommended soil by your local supplier.

Step 2
Lay Grass-Cel® directly on the prepared surface. The top of the Grass-Cel® should be level with the surrounding area. It is recommended that the flat side of the block be used to lock the tabs rather than the angled side.

Step 3
Do not bend Grass-Cel® around curves. Lay in straight rows and fill in the corners with cut pieces. Grass-Cel® can be cut and shaped easily with an electric or hand saw.

Step 4
Fill cells with soil blend to the bottom of the slot in the cell wall and remove excess with a stiff broom. Never overfill the cells. When the turf is laid you must ensure that the roots make contact with the soil.

Step 5
Place turf over the Grass-Cel® with each piece touching. If grass seed is being used, broadcast seed and top dress very lightly with soil blend or sand recommended by your local supplier.

Step 6
Tamp or roll the turf into the Grass-Cel®. DO NOT USE VIBRATORY MACHINERY because this will shake the soil from the grass roots.