

GRASSCEL®

THE ORIGINAL POROUS TURF PAVING BLOCK



INSTALLATION GUIDE - GRASS-CEL® Porous Turf Paving



Step 1 - Remove existing turf and soil to a depth of approx. 50mm below desired surface. Over excavate to place subgrade/base course as required. Finished surface should have a 1% crossfall to allow drainage. For light residential applications we suggest 150mm basecourse below the blocks.



Step 2 - Place base course. We suggest a base course 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 soil mix recommended by your local turf supplier.



Step 3 - Lay Grass-Cel® on the prepared surface. The top of the Grass-Cel® should be level with the surrounding area. 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 a grinder or electric/hand saw.



Step 4 - Fill cells with turf underlay to the bottom of the slot in the cell wall and remove excess with a stiff broom. Never overfill the cells. Use a soil mix recommended by your local turf supplier. 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 turf supplier. If you choose to seed, you will need to keep traffic off the installation until grass is established.



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. Remember to water and feed your lawn to achieve a beautiful lush finish.

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Other Information - GRASS-CEL® Porous Turf Paving

Grass-Cel® should be considered as a paver, and the same design criteria must apply. The main function of Grass-Cel® is to protect the grass roots from damage under vehicle loads. The load bearing capacity of the installed product will be driven by the bearing capacity of the underlying soils.

Base Preparation:

The finished surface of the base preparation should be approx.. 50mm below the finished surrounds so the top of the Grass-Cel® Turf Paving Blocks are just below adjoining hard surfaces. This will allow vehicles to transfer smoothly from the conventional driveway onto the Grass-Cel® area.

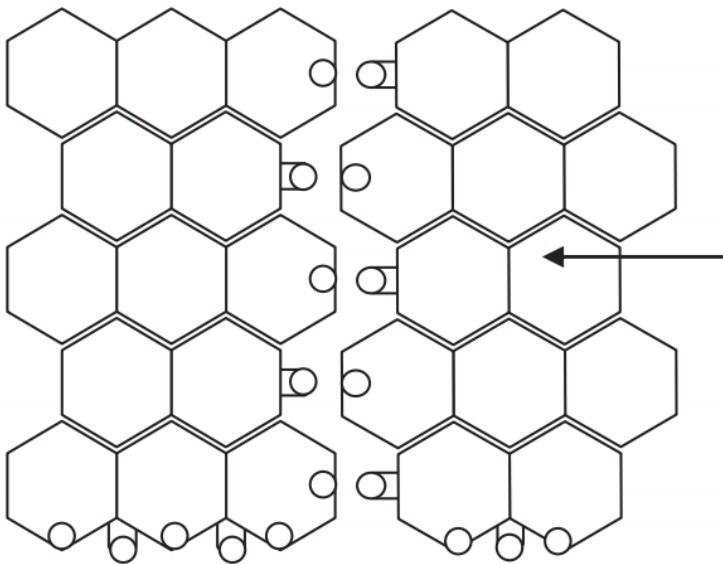
Grass-Cel® Turf Paving Blocks flat base provides a stable bearing surface. On stable soils, the blocks can be placed directly onto the prepared base course. Soils which remain wet may be unstable and require drainage to stabilise the area. Heavy or expansive clay or excess organic matter can create an unstable base for Grass-Cel® and further advice should be sought.

Sub-Grade / Base Course

If required, Drainage systems such as Agline should be installed during the Sub-Grade/Base Course preparation. Drainage should be installed with a fall towards the outlet to direct water flow.

For most residential applications, we suggest a base course of approximately 150mm 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. We recommend seeking guidance from your local turf supplier on suitable soil mix and turf type for your area and application. If the area is to be used for cars and light vehicles, a depth of approximately 150mm is suggested. A Consulting Engineer should be engaged for commercial or industrial applications or sites with high traffic volumes or regular heavy vehicle traffic.

Suggestions 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 fat 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 a grinder or electric/hand saw.

There is a video on the product page at our website which includes some handy installation tips.

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Planting Methods - 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.



Planting Methods - Grass Seeding

The 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 and avoid using the area until grass is established.

Caring for your Lawn

At all times, Grass-Cel® should be cared for and maintained as normal turf grass areas. Do not top-dress. Use a soil mix and turf that is recommended for your area by your local turf supplier. Refer to our blog for lawn care tips from our trusted turf suppliers.

Disclaimer:

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.

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