

Stella Green®

Porous Pavers



Installation Instructions

1. Existing turf and soil should be removed to a depth of approximately 30-40cm over the area where the grid reinforcement system is required (please allow space for edge retaining boards or kerbs as required). This formation layer should be levelled and compacted with a plate compactor.
2. Prepare a well condensed mixture of gravel which will be used to create a foundation **A**. The amount required can vary depending on the type of application and weight loadings. For areas designed for vehicle traffic we would advise a layer of 30cm and for pedestrian areas a layer of 15cm would be recommended. Evenly spread this over the prepared areas.
3. Then spread a 100g/m² geotextile over the top. **B**
4. Pour a 5-7cm thick levelling layer **C**. We advise using sandy gravel or sharp sand. Carefully compact (condense) this layer and level the surface. Compacting and levelling should never take place in temperatures lower than 2°C.
5. After preparation of the structural layer, you can start laying the grids.

The grid units are equipped with male/female latches/hooks which connect together multiple grid units. As a design feature, and to ensure a greater degree of stability, push the grid and its anchoring pins into the levelling layer. The grids can be cut to shape using a hand or power saw to follow curves or fit around obstacles as required.

6. Be careful with the edges where grids should be held by kerbs in the same way as flagstone paving. Leave 5cm spaces between the last row of grids and kerb to allow for movement from contraction and expansion.
7. Finally the grids can then be firmed in place using a light vibrating compaction plate. **D**
8. The filling of the grid can be either a mix of grass and soil, or aggregate.
9. Pour the filling layer onto the whole surface of the grid to a maximum of 1cm above the level of the grid. In order to obtain optimal growth of grass, the cells should be filled with a mixture of 40% sand, 30% soil, and 30% clay.

To enable quick, effective, and permanent growth of grass, it's advisable to use grass seed resistant to draught. The surface should be carefully watered through water-sprinkling. Water and fertilize these areas regularly until complete formation of the lawn can be seen.

