



Gridforce Laying Guide

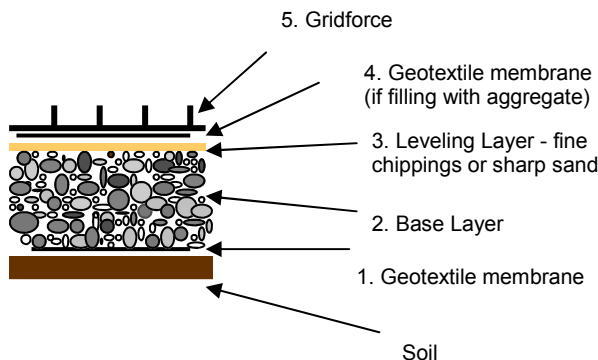
Installing Gridforce is extremely straight forward. You receive pre-connected sections that can be taken straight from the pallet and installed by just one person in a single step.

1. Geotextile Membrane

Geotextile membrane should first be laid on the earth before the base layer to create ground stability. This helps to stop the sub base sinking into the soil.

2. Base Layer

To ensure optimum drainage, crushed concrete/broken stone of a size 5/32mm should be used in the base layer. In normal circumstances the sub base underneath the grid should be made up to approximately 150mm of open grade aggregate. However if the ground in your case is particularly soft we would recommend that you satisfy yourself that the sub base is capable of withstanding the desired amount of weight. In soft clay areas it is advisable to lay a deeper base layer approximately 250mm. Once laid this should then be compacted with a roller or compactor to create a firm level surface.



3. Levelling Layer

To level any possible unevenness a layer of fine chippings or sharp sand should be spread using a rake for even coverage. This should be approximately 20-30mm.

4. Geotextile Membrane

If you intend to use gravel or a decorative aggregate finish we would then recommend a further layer of Geotextile to suppress weed growth. This will also prevent the levelling layer of chippings or sand from raising through the aggregate.

5. Gridforce

Lay the chosen Gridforce onto the surface which can then be filled with a wide range of materials, most commonly seeded topsoil for a grassed finish or with gravel. For grass seeding we recommend a mix of 70% sand and 30% top soil, fill the grid so that the upper edge so the Gridforce is 5mm above the soil, then soak and seed. When filling with gravel the top of the grid can be completely covered. Gravel size recommended is not below 10-12mm or larger than 25mm. If the area is not exactly rectangular the grid can be cut to shape with a hand or electric saw, but obviously this will require purchasing extra stock and then cutting down to the right size. The grid will function effectively on a slope up to 45 degrees but may need pinning to anchor to the floor, which we can supply.



Separating Sections

If a section of grid needs to be separated place it at the point of separation on a higher surface (another layer of Gridforce works best) and push it out of the connecting system using your foot.

Calculations for quantities

Open grade aggregate required for the base layer:

For cars = 30kg per square meter

For trucks = 50kg per square meter

Sand/Chippings required for the levelling layer:

All applications = 25kg per square meter

Topsoil required for a grass surface:

For 30mm grid = 25kg per square meter

For 40mm grid = 32kg per square meter

For 50mm grid = 40kg per square meter

Aggregate required for a gravel surface:

For 30mm grid = 55kg per square meter

For 40mm grid = 72kg per square meter

For 50mm grid = 90kg per square meter

Gridforce Laying Diagram

Prepare the underground according to use.

Start to lay the Gridforce in the left corner and lay it step by step:

