

Premium Ground Control Systems



An essential guide
to grass and gravel
stabilisation

Grassrings

MAKING GROUND WORK



Gravelrings

MAKING GROUND WORK



by **Beaufort**

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Less excavation



Rapid installation

Enhanced outdoor areas

Reinforcing grassed areas and preventing gravel migration is straightforward with Grassrings and Gravelrings. The two innovative solutions draw on the strength of the circular design to provide robust support for both pedestrian and vehicular traffic. Both systems are delivered in pre-assembled 1m² sheets for rapid and fuss-free installation. Manufactured using recycled UV stabilised plastic, these landscaping tiles are exceptionally easy to fit, clipping together to form a fully permeable layer suitable for SuDS compliant schemes.

By choosing Grassrings or Gravelrings, you are offering your clients a premium product for a distinctive, enduring finish. Both systems are nearly half the depth of alternative products, which means shallower excavation, less muckaway and less gravel or growing medium to fill the tiles – all of which translate into cost and time savings, making these superior solutions more competitive too.

350
tonnes
per m²



Request your free sample at
www.beauxfort.com

The Gravelrings retention system makes impressive gravel driveways and paths possible without the common problems of stone migration, deep ruts or inconsistent coverage.

Gravelrings comprises interlocking gravel grid tiles made up of circular cells on a mesh base. The system has been carefully designed to provide superior performance to all common market alternatives.

- 25mm depth provides hidden stability beneath the surface of the gravel driveway
- Integral mesh base prevents gravel slipping beneath the tiles
- Our exclusive gravel grid design prevents silt build-up, resisting weed growth
- The flexibility of the gravel grid follows the contours of a gravel driveway
- Each 500mm square driveway grid has a simple but firm clipping mechanism
- The integrity of the circular design provides exceptional strength

Check out the full installation video www.gravelrings.com



Also available in white



Installation guidelines

1. Excavate soil (sub-grade) to the required depth (allowing for sufficient depth of sub-base material and the tiles / surface finish). The depth of the sub-base will vary depending on the intended use, ground conditions and engineer's specification. As a guide, it should be a minimum of 75-100mm for pedestrians, 100-150mm for light vehicles and 200-300mm for trucks.
2. Lay DRAINTEX or DRIVETEX geotextile fabric as per instructions for relevant product.
3. Secure using EXTRAFIX fixing pegs.
4. Lay stone sub-base layer (e.g. MOT Type 1 or 3. Type 3 must be used for porous installations) to the required depth. Compact and level to the engineer's specification.
5. Blind the surface with a thin layer of sharp sand or granite fines to level out any undulations in the sub-base before laying the panels.
6. Lay the Gravelrings tiles over the base with the mesh side down and clip together. Fix down using the Gravelrings Fixing Pins if required. Fixing pins should be used on slopes, edges, turning circles, cross-overs (including entrances and exits) and any areas more exposed to regular traffic, e.g. roadways. The number of pins required will depend on the application and site conditions but as a guide, allow 1 pin per square metre. Contact our sales team for specific fixing advice, particularly for areas of commercial use with heavier vehicles.
7. Leave a gap (min 50mm) when adjoining a kerb or any other type of fixed edging, obstruction or structure, to allow for expansion of the panels.
8. Spread the final gravel surface over the panels to a depth of approximately 10-15mm higher than the top edge of the rings, so that they are concealed.
9. Rinse the gravel with water (if required) and lightly compact the gravel to aid settlement and consolidation.
10. After installation, some ongoing regular maintenance may be required to ensure the tiles remain covered, particularly on areas subject to commercial or heavier use.

These instructions are provided as a guide only and do not offer any warranty (express or implied) since site conditions and requirements can vary.

Technical data

| | |
|---------------------------|--|
| Panel Size | 500mm x 500mm |
| Panel Depth | 25mm |
| Cell Diameter | 50mm |
| Gravel Size (recommended) | 6mm - 20mm (angular quarried aggregate only, marine washed, rounded and mixed aggregates should not be used) |
| Gravel Demand | 45 - 50kg per m ² |
| Material | 100% recycled*, UV stabilised HDPE |
| Resistance | Chemical resistant |
| Colour | Black or White** |
| Load Bearing Capacity | In excess of 350 tonnes per m ² *** |
| Gradients | Gravelrings can be laid on slopes depending on the gradient - contact our sales team for advice |

* White panels are made from part recycled materials
 ** Other colours available to order (subject to lead time and minimum order quantities)
 *** When filled with 6 - 20mm angular gravel to a depth of 15mm above the top of the cells

Green parking perfected

Grassrings enable increased parking capacity whilst maintaining green spaces. Suitable for private properties and commercial enterprises, the system achieves attractive occasional or overflow parking areas.

When laid across a prepared stone sub-base, Grassrings provide uncompromising grass reinforcement that prevents compaction of the root zone layer, enabling grass roots to obtain the necessary oxygen, moisture and nutrients they need to survive.

- The open grass grids provide over 90% root development area and 100% grass reinforcement coverage
- The grass parking mat's flexibility is designed to follow the contours of the land
- Each 500mm square tile has a simple but firm clipping mechanism
- The integrity of the circular design provides the strongest grass reinforcement available
- The tiles are manufactured from 100% recycled and UV stabilised, impact resistant polymer
- Curves can be laid with minimum wastage as joints in the grass protection grid can be staggered and cut as necessary

Take a closer look at www.grassrings.com



Tiles easily cut to follow borders and edging



Installation guidelines

1. Excavate soil (sub-grade) to the required depth (allowing for sufficient depth of sub-base material plus 50mm). The depth of the sub-base will vary depending on the intended use, ground conditions and engineer's specification. As a guide, it should be a minimum of 75-100mm for pedestrians, 100-150mm for light vehicles and 200-300mm for trucks.
2. Lay DRAINTEX or DRIVETEX geotextile fabric as per instructions for relevant product.
3. Secure using EXTRAFIX fixing pegs.
4. Lay stone sub-base layer (clean angular load bearing stone without clay fines) to the required depth. Compact and level to the engineer's specification, 40-50mm below the final finish level.
5. Add and spread evenly a thin layer (20-30mm) of sand (rounded root zone sand with an even sized particle distribution) and wash or roll into the sub-base until the stone is almost visible.
6. Evenly spread a layer of water storing polymer at a rate of 4kg per 100m² (using a mechanical rotary spreader).
7. Lay the Grassrings tiles over the base and clip together. Cut around obstructions, trees, kerbs etc. leaving a gap (min 50mm) to allow for expansion.
8. Evenly spread a grass starting fertiliser (see technical data below) at a rate of 7kg per 100m² (using a mechanical rotary spreader).
9. Half fill (approximately 15mm) the rings with a suitable root zone mix (see technical data below).
10. Spread grass seed (see technical data below) at a rate of 5kg per 100m² (using a mechanical rotary spreader).
11. Finish filling the rings with the root zone material using a large broom to ensure the top edge of the rings remains exposed.
12. Fertilise the seeded area again (see technical data below) at a rate of 7kg per 100m² (using a mechanical rotary spreader).
13. After installation the area must be kept moist. Consideration should be given to additional watering during extended periods of dry weather. The area must be protected from traffic for a minimum of 8 weeks or two cuts until the grass has fully established. Regular maintenance will be required including watering and fertilising in the spring/summer. The grass should be cut at approximately 50mm and certainly no less than 30mm.

These instructions are provided as a guide only and do not offer any warranty (express or implied) since site conditions and requirements can vary.

Technical data

| | |
|-----------------------------------|---|
| Panel Size | 500mm x 500mm |
| Panel Depth | 30mm |
| Cell Diameter | 50mm |
| Pre-Seed Fertiliser (recommended) | 10% nitrogen, 15% phosphate and 10% potassium |
| Root Zone (recommended) | 70% sand & 30% recycled compost mix - pH6.5 – 7.2 |
| Root Zone Mix (recommended) | Greenvelvet® Watersaver by Barenbrug |
| Material | 100% recycled, UV stabilised HDPE |
| Resistance | Chemical resistant |
| Colour | Black* |
| Load Bearing Capacity | 350 tonnes per m ² ** |

* Other colours available to order (subject to lead time and minimum order quantities)
 ** When filled with correct topsoil / growing medium



The information in this brochure is given in good faith and does not offer any warranty (express or implied) regarding the suitability of any product for your use as site conditions and requirements can vary. The user must ensure that the product is suitable for the specific application, as these products will not compensate for poor workmanship or exceptional ground conditions. Beauxfort reserves the right to alter product specifications and information without prior notice.

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Available from:

Grassrings **Gravelrings**
by **Beauxfort**

Find out more
www.beauxfort.com
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